


**KURSEONG MUNICIPALITY
KURSEONG.**

Comparison of Cost of SW & C.I. with DWCHDPE pipes

S.W. Pipe and C.I. Pipe							DCW HDPE Pipe				
Sl. No	Type and Dia of Pipes as per DPR	Qty as per DPR in mtr.	Rates as per DPR/mt	Amount as per DPR	Rate as per PWD Schedule of rates	Amount as per present PWD Schedule Rate	DWC HDPE Pipe and dia available	Rate for Kurseong Rs/ mtr.	Amount	Excess amount required	Remarks
1	150mm dia SW	16080.00	170.40	27,40,032.00	360.00	57,88,800.00	170mm dia	353.80	56,89,104.00		As the 300mm and 450mm dia DCW HDPE pipes are not manufactured. Therefore, 400mm dia pipes will be used for 300mm dia and 450mm dia pipe.
2	225mm dia SW	4320.00	302.40	13,06,368.00	602.40	26,02,368.00	250 mm dia	932.14	40,26,845.00		
3	300mm dia SW	3790.00	540.00	20,46,600.00	1,110.00	42,06,900.00	Not manufactured	1,788.09	67,76,861.00		
4	400mm dia CI	980.00	3,976.35	38,96,823.00	3,976.35 (DPR Rate)	38,96,823.00	400 mm dia	1,788.09	17,52,328.00		
5	450mm dia CI	2,180.00	4,817.40	105,01,932.00	4,817.40 (DPR Rate)	105,01,932.00	Not manufactured	1,788.09	38,98,036.00		
				204,91,755/-		269,96,823.00			221,43,174/-	16,51,419/-	


 Chairman
 Kurseong Municipality

**KURSEONG MUNICIPALITY
KURSEONG.**

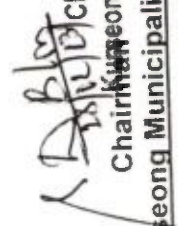
Comparative statement for the supply of DWC HDPE pipes

Sl. No	Dia of Pipe	Shankar Technologies (India) Pvt Limited/mtr	Gwalior Polypipes Limited Rate/mtr	Alom Poly Exterensions Ltd Rate /mtr	AKG Exterensions Pvt Limited Noida	Remarks
1	135mm dia	291.00	301.00	232.11	323.00	The rates of Alom Poly extension are the lowest
2	170mm dia	406.00	423.00	353.80	436.00	
3	250mm dia	978.00	998.00	932.14	1,078.00	
4	400mm dia	1,926.00	1976.00	1,788.09	2016.00	

Sir,
The rates of ALOM POLY EXTERENSIONS are the lowest one rates.

Submitted.


Gobind Adhikari
 Sub-Asst Engineer
 Kurseong Municipality


Chairperson
 Kurseong Municipality
Kurseong Municipality.



ALOM POLY EXTRUSIONS LIMITED

Quotation

Date 10.01.2013

Quotation# APEL/KURSEONG/2012-13/42

TO:
The Chairman
Kurseong Municipality
Email :gobindadhikari@yahoo.co.in
Mobile Nos. : 09733169579

BY:
Alom Poly Extrusions Limited
Alom House, 7B Pretoria Street
Kolkata, West Bengal 700071
Phone 9007009025
Fax 033-22827305

Kind Attn: Mr. Gobind Adhikari

Subject: Our offer for supply of *Alom* DWC HDPE Pipes

Dear Sir,

This has reference to the enquiry from your office dated 02.01.2013 , we are giving our best offer as per our manufacturing scope for your kind consideration.

Please find our offer in separate sheet attached herewith for "*Alom*" Double Wall Corrugated (DWC) High Density Polyethylene (HDPE) pipes for use in your Drainage & Sewerage applications with stiffness class of SN 8 . Our product is certified as per the EN 13476-3 standard and meets all requirements as mentioned there in.

Hope you will find our offer as most competitive and in line of your requirements.

Thanking you,
Yours Sincerely,

Sandip Kumar Ghosh
Vice-President (Marketing & Sales)
Alom Poly Extrusions Ltd.

Sandip.g@alom.in
M: +91-9007009025
T: +91-33-40106789
F: +91-33-22827305

'Alom House',
7B Pretoria Street,
Kolkata – 700071
West Bengal, India
www.alom.in



Sl.	Description	Unit	Price per mtr (Rs.) Basic SN-8	Excise Duty and Cess @ 12.36% (Rs.)	VAT @ 4% (Rs.)	Freight up to Kurseong per mtr (Rs)	Total Price (Including Freight) (Rs./ m)
1	Alicorr DWC HDPE Pipes (160mm OD x 135 mm ID)	Per Meter	181.90	22.48	8.17	19.56	232.11
2	Alicorr DWC HDPE Pipes (200mm OD x 170 mm ID)	Per Meter	277.10	34.25	12.45	30.00	353.80
3	Alicorr DWC HDPE Pipes (295mm OD x 250 mm ID)	Per Meter	737.80	91.19	33.15	70.00	932.14
4	Alicorr DWC HDPE Pipes (480mm OD x 400 mm ID)	Per Meter	1376.15	170.09	61.85	180.00	1788.09

Note: The price we are quoting for you for one meter each and total length is 6.0mtr for each pipe.

This is a quotation on the goods named, subject to the conditions noted below:

- 1)The above rates are F.O.R. at Kurseong.
- 2)Inclusive of Excise Duty and all applicable CESS on ED @ 12.36% and & VAT @ 4 % considered above
- 3)Delivery: To be confirmed immediately after receiving the technically and commercially clear PO.
- 4)Any other Govt. Levies or charges, if applicable, will be extra.
- 5)Payment Terms – 100% in Advance against Proforma Invoice.
- 6)Freight to be considered extra for Full Truck Load basis from our works to the destination point
- 7)Unloading charges will be borne by customer.
- 8)Transit Insurance will be charged @ 0.5% of total value if transport is arranged by us.
- 9)For every 6.0 Meter of Pipe one coupler will be included free of cost.
- 10)1 years Manufacturer's warranty especially for this product. Warranty covers manufacturing defects from the date of supply for a period of one year.
- 11)All third party inspection charges will be borne by customer.
- 12)All deliveries are subject to force majeure conditions including natural calamities and other events beyond our control.
- 13)Validity of this quotation will be up to 18.01.2013.

To accept this quotation, please send us your acceptance copy and a formal Purchase Order.

Bank Details:

Name of Bank : INDIAN BANK
Branch : STRAND ROAD, KOLKATA-700001
Account No. : 857366696
RTGS Code : IDIB000S073



GWALIOR POLYPIPES LIMITED

"Sanju Estate", A-170/171, I.P.I.A. Road No. 6, Kota - 5

Date: 4th January, 2013

To
The Chairman,
Kurseong Municipality
West Bengal

Kind Attention: Mr. Gobind Adhikari

Sub.: Quotation for the Supply of DWC HDPE Duct/Pipe for Kurseong Municipality.

Dear Sir,

This is reference to your telephonic enquiry for HDPE DWC Duct We are pleased to offer you the best and final price for the supply of HDPE DWC Duct/Pipe.

S.No.	Item Description	Qty(In Meter)	Net Rate Per Meter
	Double walled corrugated HDPE pipe 135 mm	1000.00	Rs. 301.00
	Double walled corrugated HDPE pipe 170 mm	1000.00	Rs. 423.00
	Double walled corrugated HDPE pipe 250 mm	1000.00	Rs. 998.00
	Double walled corrugated HDPE pipe 400 mm	1000.00	Rs. 1976.00
1.	Length	:	6 mtrs each
2.	EXCISE DUTY	:	@ 12.3% inclusive
3.	SALES TAX	:	CST inclusive (Against C-Form)
4.	VALIDITY	:	Our offer is valid upto 31/01/2013.
5.	DELIVERY.	:	10 Days from the date of receipt of clear and confirm order and advance
6.	F.O.R.	:	FOR Siliguri, WB
7.	PAYMENT	:	100% advance against proforma Invoice.
8.	FREIGHT AND INSURANCE	:	Despatches made by road any local Tax, Entry Tax /Octroi or any state Sales tax road permit required shall be provided by you. Otherwise tax liability shall be born by the purchasers.
9.	Coupler	:	One Coupler free would be provided with each pipe.
			The Duct shall have outer wall corrugated & inner wall is plain and smooth

Regards.

For Gwalior Poly Pipes Ltd.

Authorised Signatory

SHANKAR TECHNOLOGIES (INDIA) PRIVATE LIMITED
ROAD No. 11, INDUSTRIAL AREA, LUCCHIPUR, GORAKHPUR-273015

MOBILE No: +919415260222, +919935460222, PHONE NO: +91 551 2260767
FAX No: +91 551 226 0427, EMAIL ID: STIPLGKP@GMAIL.COM, INFO@STIPL.IN
WEB SITE: WWW.STIPL.IN

Date: 2nd January, 2013

To
The Chairman,
Kurseong Municipality
West Bengal

**Sub.: Technical Offer for the Supply of HDPE DWC Duct/Pipe for Kurseong
Municipality.**

Dear Sir,

This is reference to your enquiry for HDPE DWC Duct We are pleased to offer you the best and final price for the supply of HDPE DWC Duct/Pipe.

S.No.	Item Description	Qty(In Meter)	Net Rate Per Meter
	Double walled corrugated HDPE pipe 135 mm	1000.00	Rs. 291.00
	Double walled corrugated HDPE pipe 170 mm	1000.00	Rs. 406.00
	Double walled corrugated HDPE pipe 250 mm	1000.00	Rs. 978.00
	Double walled corrugated HDPE pipe 400 mm	1000.00	Rs. 1926.00
1.	Length	:	6 mtrs each
2.	EXCISE DUTY	:	@ 12.3% inclusive
3.	SALES TAX	:	CST inclusive
4.	VALIDITY	:	Our offer is valid upto 31/01/2013.
5.	DELIVERY.	:	10 Days from the date of receipt of clear and confirm order and advance
6.	F.O.R.	:	FOR Siliguri, WB
7.	PAYMENT	:	100% advance against peroforma Invoice.
8.	FREIGHT AND INSURANCE	:	Despatches made by road any local Tax, Entry Tax /Octroi or any state Sales tax road permit required shall be provided by you. Otherwise tax liability shall be born by the purchasers.
9.	Coupler	:	One Coupler free would be provided with each pipe.
			The Duct shall have outer wall corrugated & inner wall is plain and smooth

Regards.

For Sankar Technologies India Pvt. Ltd

Ashish Jaiswal



AKG Extrusions Pvt. Ltd.
B-51, Hosiery Complex, Noida.

Date: 6th January, 2013

To
The Chairman,
Kurseong Municipality
West Bengal

Sub.: Price Offer for the Supply of Double Wall Corrugated HDPE Pipe for Kurseong

Dear Sir,

Please find our quotation below in reference to your enquiry for DWC HDPE Pipe. We are pleased to provide you the best and final price for the supply of DWC HDPE Pipe.

S.No.	Item Description	Qty(In Meter)	Net Rate Per Meter
1	Double walled corrugated HDPE pipe 135 mm (ID)	1.0	Rs. 323.00
2	Double walled corrugated HDPE pipe 170 mm (ID)	1.0	Rs. 436.00
3	Double walled corrugated HDPE pipe 250 mm(ID)	1.0	Rs. 1078.00
4	Double walled corrugated HDPE pipe 400 mm(ID)	1.0	Rs. 2016.00

Terms & Conditions:

- Length** : 6 mtrs each
- EXCISE DUTY** : @ 12.3% inclusive
- SALES TAX** : CST inclusive (Against C-Form)
- VALIDITY** : Our offer is valid upto 31/01/2013.
- DELIVERY.** : 10 Days from the date of receipt of clear and confirm order and advance
- F.O.R.** : FOR Siliguri, WB
- PAYMENT** : 100% advance against peroforma Invoice.
- FREIGHT AND INSURANCE** : Despatches made by road any local Tax, Entry Tax /Octroi or any state Sales tax road permit required shall be provided by you. Otherwise tax liability shall be born by the purchasers.
- Coupler** : One Coupler free would be provided with each pipe.

The Duct shall have outer wall corrugated & inner wall is plain and smooth

Regards.

For AKG Extrusions Pvt. Ltd

Partner

THE KOLKATA MUNICIPAL CORPORATION

BOROUGH NO-IX

11, BELVEDERE ROAD, ALIPORE, KOLKATA - 700027

Ref No. 11/116/2011-2012

Date 25.05.2012
Executive Engineer, Borough IX, Kolkata

TO WHOM IT MAY CONCERN

This is to certify that the agency had completed successfully the entrusted job within the stipulated time. The details of the work as well as the name & address of the agency are given below.

NAME & ADDRESS OF THE AGENCY :- M/S. ALOM POLY EXTRUSIONS LTD
7B, DR. HARENDRA COOMER MIKHERJEE SARANI, KOLKATA-700071

NAME OF THE WORK :- CONVERSION OF OPEN KANCHA NIKASI TO UNDER GROUND PIPE
SEWER BY LAYING D.W.C. H.D.P. PIPE AT BELVEDERE ROAD IN
WARD NO - 74.

WORK ORDER NO. & DATE :- E.E.-BR-IX/116/2011-2012 & DT - 20/10/2011

BILLED AMOUNT :- Rs. 10,71,615.00 (Rupees Ten Lakhs Seventy One thousand Six
hundred Fifteen only.)

DATE OF COMMENCEMENT :- 04/11/2011

DATE OF COMPLETION :- 10/03/2012

NATURE OF WORK :- CONVERSION OF OPEN KANCHA NIKASI TO UNDER GROUND PIPE
SEWER BY LAYING D.W.C. H.D.P. PIPE

So far, it appears that the agency is competent enough in handling this type of job.

Assistant Engineer (C)
Ward no-74


Executive Engineer
Borough IX



भारत सरकार
शहरी विकास मंत्रालय
निर्माण भवन

GOVERNMENT OF INDIA
MINISTRY OF URBAN DEVELOPMENT
NIRMAN BHAVAN

E.P. Nivedita
Director (LSG)
Tel: 23061295

नई दिल्ली - 110011
New Delhi - 110011

D.O. No: Q.16011/2007-CPHEEO

Date: 15th March, 2012.

Dear Sir,

As you may be aware, over the last two decades, many new technologies for Sewerage and Sewage Treatment have emerged and some of which are being used in other parts of the world and need to be deployed in India on a large scale. The existing Manual on Sewerage and Sewage Treatment published by the Ministry in the year 1993 has recommended only conventional sewage treatment technologies such as Activated Sludge Process (ASP), Waste Stabilisation Pond (WSP), Upflow Anaerobic Sludge Blanket (UASB) Reactor etc. The Manual is under revision.

In order to promote recent technologies in sewerage management, Ministry has prepared an advisory note "Recent Trends in Technologies in Sewerage System" incorporating alternative sewage collection system; alternative pipe material for sewage collection system; recent sewage technology, approach towards sewage treatment technologies and their implementation structure in BOOT model and cost recovery models thereof. A copy of the note is enclosed.

I hope this note would serve as a guide to the State Governments / ULBs / Water Supply & Sanitation Boards for selection of appropriate technologies in respect of Sewage Collection and Sewage Treatment Systems and their implementation.

With regards,

Yours sincerely,


(E.P. Nivedita) 15/3

Encl.: As above.

To

All State Secretaries, Urban Development / Water Supply & Sanitation

1.2. Pipe Material In Centralized Collection System

The collection system for its desired performance by way of transporting the solids and liquids simultaneously assumes that adequate liquid is available. The existing manual lays down the required slopes at which the pipeline is to be laid and the minimum per capita lpcd to sustain the required velocities in the pipeline. The real world issues are the following.

- o First of all it is time to give up the century old stoneware pipe sewers. This is because, these pipes are available only in lengths of 90 cm at best and the joints need caulking with yam soaked in cement mortar and packing in the spigot and socket joints which requires intense manual skilled labour and working sometimes at dangerous depths of even 6 m below ground level. Nowadays it is difficult to get the required labour and sometimes the laid joints are prevented from leaking more by the refilled earth than the joints per se. These joints can also allow soil water to infiltrate during rainy seasons and thus cause many problems of a water polluting nature.
- o It is also a fact that there is no worthwhile data on infiltration and exfiltration to justify or contend the continuance of this pipe material.

Time has come to move ahead in pragmatic practices and regularize the use of recent pipe materials as;

- (a) RCC pipes offer a viable option in diameters exceeding the availability of SW pipes. Though the spigot / socket joints with O rings are adequate, these pipes need protection against corrosion from sulphides on the inside and from sulphates on the soil side. Inside coating with high alumina cement conforming to BIS 6452, or made of sulphate resistant cement conforming to BIS 12330 and sacrificial additional thickness over and above the mandatory cover are the answers.
- (b) Double Walled Corrugated Polyethylene (DWCPE) pipes are produced globally and in India following the EN 13476-3 standard which is holistically adopted from the ISO 21138-3 standard. This standard is currently being reviewed by BIS and this will take some more time to be published. The piping system can be adopted for non-pressure underground Sewerage system. It has a corrugated profiled outer surface wall and a smooth inner wall which allows the easy transport of fluids, non-corrosive and a better overburden protection. In India, DWCPE pipes are produced from the sizes 75mm ID to 1000mm ID with a standard length of 6 (six) meters for easy transportation and handling and to reduce the number of joints required. However, in the case of

such pipes, the uplift during high groundwater conditions above the pipe level is a problem specifically in high ground water and coastal areas. The concrete surrounds or ventteak piles shall be used to hold these in place in such conditions, where ground water can rise above the sewer. Quality control at factory and random checks on receipt before laying shall be mandatory.

- (c) HDPE manholes with EN 13598-2:2009 and ISO (ISO 9001:2008) specifications are recent entrants. But the Indian standards are yet to be brought out by BIS. These being ready made can speed up the construction as compared to brickwork manholes. However, they are to be safeguarded against the uplift pressure due to high ground water table and also crushing under high traffic load etc. by suitably anchoring and if desired for a specific location, the cost shall not be compromised.

1.3. Emerging Sewage Treatment Technologies

The conventional sewage treatment technologies such as Activated Sludge Process (ASP), Waste Stabilization pond (WSP), Upflow Anaerobic Sludge Blanket (UASB) Reactor etc., are commonly adopted in sewerage system to treat wastewater up to secondary level as per the effluent standards.

There are a number of newer treatment technologies that have come into practice in recent times and they do merit attention in their own way as under, but the difficulty is the design basis which is necessary to be standardized for adoption in projects funded by Governments. The following are some of the relatively better known technologies. Recently, the following technologies such as Sequencing Batch Reactor (SBR) and Moving Bed Biofilm Reactor (MBBR) / Fluidized Aerobic Bioreactor have been approved under JNNURM projects due to their advantages such as less requirement of land, high effluent quality etc. Small scale plants have been set up using MBR technology in Bangalore and Commonwealth village complex, and Akshardham in New Delhi.

1. Sequencing Batch Reactor (SBR)
2. Moving Bed Bio Reactor (MBBR) / Fluidized Aerobic Bioreactor (FAB)
3. Membrane Bio Reactor (MBR)

There are other emerging treatment technologies that have come into practice in recent times in other parts of the world, but they have not come into practice in India at large scale. Therefore, the following technologies though these have been randomly tried out so far, need to be investigated and possibly demonstrated/piloted under Indian conditions to arrive at their techno-economic viability. There is a need for generic design criteria under

PRODUCT CERTIFICATE

C41.11.016 EN

In compliance with the inspection contract V41.11.011 EN of 21 April 2011, it has been stated that the construction products:

" Alcorr Pipes "
manufactured by: **ALOM POLY EXTRUSIONS LTD.**
"Alom House"
7b, Pretoria Street
Kolkata 700071
India

factory: **ALOM POLY EXTRUSIONS LTD.**
Banganagar
P.S.-Falta, 24 Parganas (S)
West Bengal -743513
India

in accordance to the results of the factory production control (FPC) and the results by the authorized inspection office (Notified Body: 0992 / PÜZ-Stelle: THU 01) and accredited test laboratory (D-PL-11143-01-00), inspection body (DGA-IS-4158.00) and certification body (DGA-ZE-4502.00):

**Materialforschungs- und -prüfanstalt
an der Bauhaus-Universität Weimar
Coudraystraße 9
99423 Weimar
Germany**



of the voluntarily external examination including the product-testing for the inspection period:

2011

complies with the specifications in the technical rule:

Plastics piping systems for non-pressure underground drainage and sewerage -
Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U),
polypropylene (PP) and polyethylene (PE)

Part 3: Specifications for pipes and fittings with smooth internal and
profiled external surface and the system, Type B
EN 13476-3+A1:2009-01

Part 4: Guidance for the assessment of conformity
EN/TC 13476-4:2008-07

The manufacturer is thus entitled to mark the product and its associated documentation with the inspection mark of the external inspector.

The results of the voluntary external quality controls are documented in MFA Weimar's quality-control report No. Ü 41.11.201.01 of 2011-06-14.

Weimar,
2011-06-16



Dipl.-Ing. M. Schulz
Head of certification body



THE KOLKATA MUNICIPAL CORPORATION

BOROUGH NO.-IX

11, BELVEDERE ROAD, ALIPORE, KOLKATA - 700 027

Ref No. EEIX/15/12-13.

Date: 28.05.2012
Executive Engineer- Borough-IX Deptt.

TO WHOM IT MAY CONCERN

This is to certify that the agency had completed successfully the entrusted job within the stipulated time. The details of the work as well as the name & address of the agency are given below:

NAME & ADDRESS OF THE AGENCY :- M/S. ALOM POLY EXTRUSIONS LTD.
7B, DR. HARENDRA COOMER MUKHERJEE SARANI, KOLKATA-700071.

NAME OF THE WORK :- CONVERSION OF OPEN KANCHA NIKASI TO UNDER GROUND PIPE
SEWER BY LAYING D.W.C. H.D.P. PIPE AT BELVEDERE ROAD IN
WARD NO.-74.

WORK ORDER NO. & DATE :- E.E.-BR-IX/116/2011-2012 & DT- 20/10/2011

BILLED AMOUNT :- Rs. 10,71,615.00 (Rupees Ten Lakhs Seventy One thousand Six
hundred Fifteen only.)

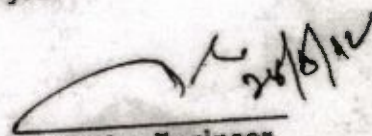
DATE OF COMMENCEMENT :- 04/11/2011

DATE OF COMPLETION :- 10/03/2012

NATURE OF WORK :- CONVERSION OF OPEN KANCHA NIKASI TO UNDER GROUND PIPE
SEWER BY LAYING D.W.C. H.D.P. PIPE.

So far, it appears that the agency is competent enough in handling this type of job.

Assistant Engineer(C)
Ward no.-74


Executive Engineer
Borough-IX

Exo, Engineer (C)
Borough - IX
K. M. C

NO. EEP-13/116/2011-12 dt. 20/10/2011

Sl. #: 125/2011-2012

Dated: 20/10/2011



THE CALCUTTA MUNICIPAL CORPORATION
11 BELVEDERE ROAD, CAL-700027.

Standard Form of Work Order (Provn.)
Office Of The Executive Engineer - BR IX

From : Executive Engineer - IX
11, BELVEDERE ROAD, Cal- 27

C.R.No. -> 2656

To :- ALOM POLY EXTRUSIONS LTD.
7B, DR. HARENDRA COOMER MUKHERJEE SARANI

Sub: Conversion Of Open Kancha Nikasi To Under Ground Pipe Sewer
By Laying D.W.C., H.D.P Pipe At Belvedere Road In Ward No-74
(T.C Cleared On 20/10/2011)

Dear Sir

Your tender/quotation dt. 05/09/2011 from the above work has since been accepted by Mpl. Commr., on 20/10/2011. You are hereby requested to contact SRI SURAJIT MARIK A.E. (C) in-charge of the work on 20/10/2011..... for taking up the work and further advice. You will have to complete the works within stipulated time. The date of completion shall be reckoned from the date of handing over the site

Please note that the agreement has not yet been accepted, You are to execute the same during the progress of the work. No final payment can be released without execution of agreemental work. You are to take licence from the office of the Labour Commissioner, Govt. of West Bengal, New Secretariat Bldg. (11th Floor), Cal-1. If you are under the purview of the labour regulation & abolition rule, 1972.

Yours Faithfully,

Executive Engineer - IX.

Estimated Amount	: Rs.	1214834.00	(Inclu. Contin.)
Tender Amount	: Rs.	1214834.00	(Do)
Rate quoted	:	0.00% Above	
Sanctioned Amount	: Rs.	1214834.00	(Do)
Time Of Completion:		180Days	
Code No	:	4341-800	

- Copy To : 1. I.T.C.
2. Sales Tax Commissioner
3. Labour Commissioner, W.E. New Sectt. Bldg. (11th Floor),
1, K.S. Roy Road., Calcutta - 1.
4. The Asstt. Engr. (C) Wd.No.074

Signature
20/10/11
Executive Engineer - IX.
Engr. (Civil)
S. K. M. S.

**KOLKATA METROPOLITAN WATER AND SANITATION
AUTHORITY**



TENDER DOCUMENTS FOR

**DEVELOPMENT OF SEWERAGE NETWORK AND
WASTE WATER TREATMENT FACILITY ON A "DESIGN-BUILD-
OPERATION" (DBO) MODEL
FOR
GAYESPUR TOWN
UNDER
NATIONAL GANGA RIVER BASIN AUTHORITY
(NGRBA)**

TENDER NOTICE NO. : SE (GAP)/3T-I/10/17

DATED : 18.07.2011

TENDER NO. SE (GAP)/T-44 of 2011-12

Volume - I

(Technical Offer)

Issued to
.....
.....

Date of Issue

*Signature and Designation
Of Issuing Officer*

be well defined and true and their ends shall be square with the longitudinal axis.

The design of modified NP3 pipe should be such that the same column of reinforcement as that of class NP3 is placed in single layer at distance of 5 / 8th. On barrel thickness from inside surface of the pipe. The dimension of modified NP3 pipe should be conform to class NP3 I. S. : 458 - 1971 in their respective sizes.

3.6 SPECIFICATION OF HIGH DENSITY POLY ETHYLENE (HDPE) PIPE

High Density Poly Ethylene (HDPE) pipes shall be manufactured from virgin raw materials i.e. Natural Poly Ethylene Resin of PE - 100-grade. It should have excellent weathering ability and should be resistant to UV light. It shall conform to I. S. : 4984 - 1995 with Amendment No. - 3 and other latest amendment.

Double wall corrugated HDPE pipes which are manufactured by fusing twin layer of High Density Poly Ethylene and conforming to ISO 21138 (Part 1 & 3) and EN 13476 (Part - 3) can also be used for non - pressure underground sewerage network.

The joints shall be of rubber gasket type. Detailed Specification of HDPE Pipes from the manufacturer are to be submitted to the Engineer - in - Charge. A manual from the manufacturer outlining the guidelines for handling, jointing, laying including design details for concrete bedding where necessary, valve (air, scour and gate) connections and testing of HDPE pipe lines is also to be submitted to the Engineer - in - Charge for his approval. The manufacturer / tenderer shall give

KOLKATA METROPOLITAN DEVELOPMENT AUTHORITY



TENDER DOCUMENTS FOR

DEVELOPMENT OF SEWERAGE NETWORK AND
WASTE WATER TREATMENT FACILITY

FOR

KALYANI MUNICIPAL TOWN

ON

DESIGN, BUILD, OPERATE (DBO) MODEL

UNDER

NATIONAL GANGA RIVER BASIN AUTHORITY

(NGRBA)

TENDER NOTICE NO. : 03/SE (N)/GAP/KMDA OF 2011 - 2012

DATED : 08.07.2011

Volume - I

(Technical Offer)

Office of the Superintending Engineer, North Circle

Ganga Action Plan Sector, KMDA

Unnayan Bhavan, 'D' - Block (1st Floor)

Salt Lake, Kolkata - 700 091

SPECIFICATION OF HIGH DENSITY POLY ETHYLENE (HDPE) PIPE

High Density Poly Ethylene (HDPE) pipes shall be manufactured from virgin raw materials i.e. Natural Poly Ethylene Resin of PE - 100 grade. It should have excellent weathering ability and should be resistant to UV light. It shall conform to I. S. : 4984 - 1995 with Amendment No. - 3 and other latest amendment.

Double wall corrugated HDPE pipes which are manufactured by fusing twin layer of High Density Poly Ethylene and conforming to ISO 21138 (Part 1 & 3) and EN 13476 (Part - 3) can also be used for non - pressure underground sewerage network.

The joints shall be of rubber gasket type. Detailed Specification of HDPE Pipes from the manufacturer are to be submitted to the Engineer - in - Charge. A manual from the manufacturer outlining the guidelines for handling, jointing, laying including design details for concrete bedding where necessary, valve (air, scour and gate) connections and testing of HDPE pipe lines is also to be submitted to the Engineer - in - Charge for his approval. The manufacturer / tenderer shall give evidence of successful completion of total turnkey HDPE Pipe projects with project completion certificates of jobs carried directly or through joint venture from competent authority.

40 LAYING AND JOINTING OF SEWER PIPES

The work shall include supplying, handling, laying and jointing of pipes on prescribed bedding to be used for the construction of sewer.

Sl. No.	Description of Item	Unit	Quantity	Rate (in Rs.)	Amount (in Rs.)
	i) 150 mm. dia.	M.	25400		
	ii) 200 mm. dia.	M.	34950		
	iii) 250 mm. dia.	M.	1458		
	iv) 300 mm. dia.	M.	375		
	Supply of HDPE spigot and socket ended pipe (conforming to relevant I. S. Specification) of PE - 100 grade with rubber gasket / double wall corrugated HDPE pipe with rubber gasket including carriage at site, loading, unloading etc. all complete as per specification and direction of the Engineer - in - Charge.				
	i) 150 mm. dia.	M.	25400		
	ii) 200 mm. dia.	M.	34950		

L. o.	Description of Item	Unit	Quantity	Rate (in Rs.)	Amount (in Rs.)
	iii) 250 mm. dia.	M.	1458		
	iv) 300 mm. dia.	M.	375		
	Construction of Manhole chamber with 375 mm. thick 1 st class brick work etc. all complete as per drawings, detailed specification and direction of the Engineer - in - Charge. (Average depth upto 2000 mm. from G.L.)				
	120 mm. X 1200 mm. size.	Each	1146		
	Construction of Manhole chamber with 375 mm. thick 1 st class brick work etc. all complete as per drawings, detailed specification and direction of the Engineer - in - Charge				
	i) 1200 mm. X 1200 mm. size and average depth 3000 mm. from G.L.	Each	1221		

- | | |
|------------------------|--|
| 11) Gas Chlorinator | Capital Controls / Toshcon Jesco /
Penwalt / Perfect Chloro / IEC Fabchem /
Banaco / Metito |
| 12) MS / SS / GI Pipes | Tata Steel / Surya Roshni / Jindal / Zenith
/ Mahalksmi Seamlles / Vinayak / Indus |
| 13) CI Pipes | Truform / Kesoram / Equivalent |
| 14) DI Pipes | Jindal / Electro - Steel Casings /
Equivalent |
| 15) HDPE Pipes | Trustline / NOCIL / Dutron / RIL / Time
Technoplast Ltd. / ALom Poly Extrusions
Ltd. |
| 16) Valves | Intervalve / Aswan / G M Engg / Jyoti /
Kirloskar / Levcon / Shiv Durga /
Upadaya / IVC Kolkatta |
| 17) Isolation Gates | Yashwant / Jash / Alfaplast / Equivalent |
| 18) MCC | Subhadra / Industrial Switchgear
(Devsons) / Unique Controls / Cotmac |
| 19) LPBS | Elcon / Hansu / Pustron |
| 20) Cables Thermocable | Gemscab / Polycab / Gloster / KEI |
| 21) Motors | Siemens / Crompton / Marathon / BBL /
NGEF / Bhel / G E C N G E F |
| 22) Cable Trays | Elcon / Sales Link |

Manas Choudhury

DESIGN AND SUPERVISION CONSULTANT

Our ref. KEIP/2008/08/43826
August 01, 2011

M/s Jain InfraProjects Limited
'Preetnata', 6th Floor
39 Shakespeare Sarani
Kolkata 700 017

Dear Sirs,

Sub: Kolkata Environmental Improvement Project - Construction of Miscellaneous-Civil Works
(Contract Package No. KEIP/NCE/S035A/2010-11)
Re: Double Wall Corrugated (DWC) High Density Polyethylene (HDPE) pipes for rider
sewer along Parnasree Pally Road

It has been decided by the competent authority to use DWC HDPE pipes of 250 mm ID (about 510 m length) and 400 mm ID (about 15 m length) as rider sewer along Parnasree Pally Road.

You are required to furnish the composite rate under the following heads:

- a) Supply of pipes from the factory to work site including transportation, loading and unloading etc.
- b) Laying and jointing pipes within the excavated trench including supplying of tools and tackles required for pipe jointing including cost of bedding as per sketch enclosed.

Since (DWC) HDPE pipes are new product, during pipe laying and jointing such pipes, a specialist from the manufacturer is essential to supervise the work, the supervision charges, if any, should be included in the rate.

- c) Conducting hydraulic testing of the DWF HDPE pipe line as per specification for the item covered in the Technical Specification for RCC pipes to ascertain water tightness.

Technical specifications are enclosed for your ready reference.

Please submit the rate with necessary supportings immediately.

Yours sincerely,

 2/2/11
Team Leader
DSC-KEIP

2/2/11 Encl. As above.

Copy to: Director General (Project), CMU, KEIP.



KEIP

CARING FOR OUR CITY

Kolkata Environmental
Improvement Project

204, A J C Bose Road

Kolkata 700 017

T (+91-33) 2283 0493

F. 2283 0044

E keip@keip.in

W www.keip.in

Consulting Engineering Services (I) Pvt Ltd

In association with Stup Consultants Pvt Ltd;

Ghosh Bose & Associates Pvt Ltd; and DHI Water & Environment



**PROGRESSIVE
CONSTRUCTION CO.**

ENGINEERS AND CONTRACTOR
260/1 & 2, BANOUR AVENUE, BLOCK - B,
GROUND FLOOR, KOLKATA - 700 085
Tel: 2574-2758/3276, 6521-4508 & 6533-7540, Fax: 91 33 2574-3276
E-mail: pcc_ind@gmail.com and pcc_2008@rediffmail.com

REF. NO. CRE-171/12-13
DATE 13/09/12

TO WHOM IT MAY CONCERN

This is to certify that Alom Poly Extrusions Ltd. of Banganagar,
Falta, Dist- South 24 Parganas, PIN- 743 513, W.B. has supplied Double
Wall Corrugated HDPE pipe of 400mm dia & 250mm dia for our Sector-
V sewer line project under Nabadiganta Municipality.

We wish his success in future life.

Yours faithfully

for Progressive Construction Co

Sargata Pal
for Progressive Construction Co

Sargata Pal
Authorized Signatory

WEST BENGAL STATE RURAL DEVELOPMENT AGENCY (WBSRDA)
NORTH 24 PARGANAS DISTRICT UNIT
NORTH 24 PARGANAS ZILLA PARISHAD ANNEXE BUILDING (3RD FLOOR)
RISHI BANKIM SARANI, BARASAT, KOLKATA - 700124
Ph: - (033) - 2552 - 3005, 2562- 4593//94/97/98, 2584 3103, Tele Fax: 2584 3190

Memo No. /424/ RIDF-XVII/
/ N-24/ WBSRDA

Date : 21.01.2013.


To
M/S. Alom Poly Extrusions Ltd.
Alom House, 7B, Pretoria Street,
Kolkata-700 071.

Sub: Use of DWC HDPE pipes of diameter 600mm in Cross Drainage Application in Rural Roads in the district of North 24 Parganas.

Ref: Your mail dated 11.01.2013.

Sir,

With reference to your mail mentioned above, it is to mention that we are willing to use your pipes in rural roads in construction stage under RIDF-XVII within the jurisdiction of Basirhat Sub-Division. As per our need we have requirement for 12m 600mm diameter DWC HDPE pipes for Construction of metal road from Gazikhali Ferryghat to Boyermari Bus Stand under Sandeshkhali-I block. The road is being executed by Gupta Construction, Barasat. The pipes may be supplied directly to the agency at a maximum discounted rate (rate should include cost of pipe and carriage) as the project is of research interest and its use would enrich the implementation of new technology in cross drainage works. Your kind reply and further course of action may kindly be intimated to the undersigned.


Executive Engineer (P&RD)
North 24 Parganas Zilla Parishad

Memo No. / N-24/ WBSRDA

Date : 21.01.2013

Copy forwarded for information and necessary action to the:

1. Addl. Executive Officer, North 24 Parganas Zilla Parishad
2. Assistant Engineer, North 24 Parganas ZP.
3. Sub-Assistant Engineer, North 24 Parganas ZP.

Executive Engineer (P&RD)
North 24 Parganas Zilla Parishad

West Bengal State Rural Development Agency

Jessop Building (First Floor),
63, Netaji Subhas Road, Kolkata - 700 001.

Kolkata, the 24th May, 2011

No. 384 - WBSRDA / 2E - 8 / 11

From: Ajoy Kumar Dutta,
Chief Engineer,
P & RD Department.

✓ To: M/s Alom Poly Extrusions Ltd.,
7B, Pretoria Street,
Kolkata - 700 071.

Sub: DWC HDPE Pipes in Pipe Culvert / Cross Drainage Application in Rural Roads of West Bengal.

Ref: NRRDA letter No. P-17031/28/05 Tech. Dated 06.12.2010.

Sir,

With reference to the above and the discussion on 17.05.2011 in my Chamber, we are pleased to undertake a comprehensive research scheme for evaluating the applicability of the captioned piping system as cross drainage work under rural roads of West Bengal.

The scheme will have the following features:

Location - Gobrapur (Murighata More) To Nutanpara Raninagar under Bongaon Block (WB/01/104).

Pipe Size - 1000 mm ID & Length - 10 meter.

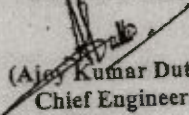
You are requested to supply the above quantity of 1000 mm dia pipe free of cost in consultation with Executive Engineer, WBSRDA, North 24 Parganas Division.

You are also requested to submit a tentative detail engineering including cross sectional dimensions to facilitate the installation procedure.

In the event you are agreeable to above conditions kindly extend your acceptance in the duplicate copy of the letter.

Thanking you,

Yours faithfully,


(Ajoy Kumar Dutta)
Chief Engineer,
P & RD Department

Kolkata, the 24th May, 2011

No. 384 / 1 (6) - WBSRDA / 2E - 8 / 11

Copy forwarded for information to:

- 1) The ACEO, WBSRDA.
- 2) The Consultant, WBSRDA.
- 3) The Technical Advisor, WBSRDA.
- 4) Shri A. K. Bhaumik, SE, P & RD Deptt.
- 5) Shri S. Dutta, SE, WBSRDA.
- 6) The Executive Engineer, North 24 Parganas Division, WBSRDA - Please contact with M/s Alom Poly Extrusions Ltd., 7B, Pretoria Street, Kolkata - 700 71.

Sd/-
(Ajoy Kumar Dutta)
Chief Engineer,
P & RD Department

DETAILED PROJECT REPORT

Volume- 1a: Cost Estimate

December 2012

**SEWERAGE INTEGRATION WORK
AND
SEWAGE TREATMENT PLANT
AT
BUDGE BUDGE TOWN, WEST BENGAL**

Under NGRBA

Submitted to:

*KOLKATA METROPOLITAN DEVELOPMENT AUTHORITY,
GOVERNMENT OF WEST BENGAL*

MAP SHOWING WARD IN BUDGE BUDGE
MUNICIPAL AREA



Infrastructure Professionals Enterprise (P) Ltd.

Registered Office: A-10, Green Park, New Delhi - 110016
Corporate Office: C-2, Green Park Ext. New Delhi - 110016

Phone: (91 11) 26568607/08/13, 26562736, Fax: (91 11) 26969478

Email: ipe@ipeglobal.com Website: www.ipeglobal.com

Item No.	Description	Unit	Quantity	Rate (Rs.)	Amount	Remarks
16.0	Removal of rubbish earth etc. from the working site and disposal of the same beyond the compound in conformity with the municipal / corporation rules for such , disposal loading into truck and cleaning the site in all respect as per direction of the engineer in charge	cum	12308.2	251.10	3090841.64	
16.0	Supplying and stacking of Double Wall Corrugated HDPE Pipe & RCC Spun Spigot Socket Pipe(NP3) of various dia at site including transport to site store , loading and unloading , including VAT @ 4% but excluding excise duty for government supplies.					
16.1	Double Wall Corrugated HDPE Pipe					
16.1.1	150 mm dia	m	5839.0	866.08	5143843.18	
16.1.2	200 mm dia	m	87410.0	1005.80	87817327.84	
16.1.3	250 mm dia	m	2168.0	1168.25	2529898.50	
16.2	RCC Spun Spigot Socket Pipe(NP3)					
16.2.1	300 mm dia	m	1178.0	1524.83	1796243.85	
16.2.2	350 mm dia	m	84.0	2504.25	210357.00	
16.2.3	400 mm dia	m	968.0	3282.53	3158130.49	
16.2.4	450 mm dia	m	863.0	3481.76	3352332.95	
16.2.5	500 mm dia	m	480.0	3858.92	1775863.20	
16.2.6	600 mm dia	m	748.0	4968.45	3715869.18	
16.2.7	700 mm dia	m	86.0	6284.68	541342.95	
16.2.8	800 mm dia	m	1018.0	8673.97	8830097.39	
	Sub-total		101024.0		118978107.3	

DETAILED PROJECT REPORT

Volume- 1a : Cost Estimate

December 2012

**SEWERAGE INTEGRATION WORK
AND
SEWAGE TREATMENT PLANT
AT
BARRACKPORE TOWN, WEST BENGAL**

Under NGRBA

Submitted to:

**KOLKATA METROPOLITAN DEVELOPMENT AUTHORITY,
GOVERNMENT OF WEST BENGAL**



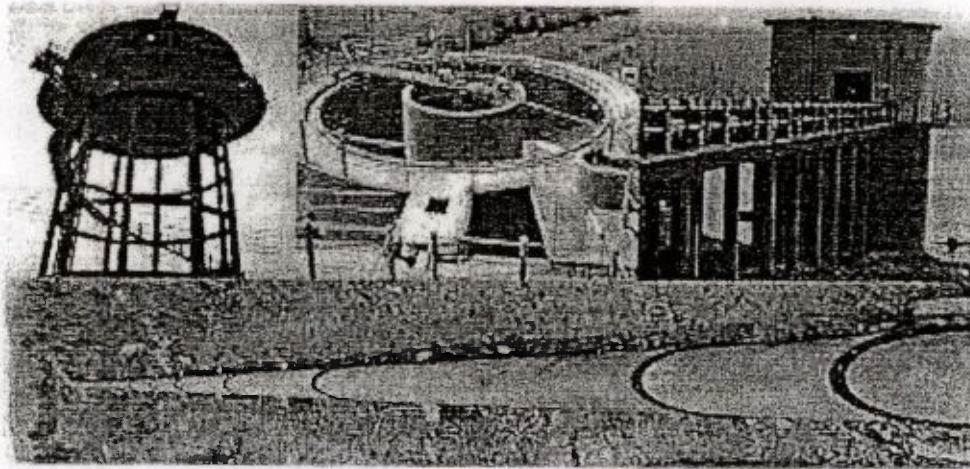
Infrastructure Professionals Enterprise (P) Ltd.

Registered Office: A-10, Green Park, New Delhi - 110016
Corporate Office: C-2, Green Park Ext. New Delhi - 110016
Phone: (91 11) 26568607/08/13, 26562736, Fax: (91 11) 26969478
Email: ipe@ipeglobal.com Website: www.ipeglobal.com

Item No.	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	Remarks
14.0	Single Brick Flat Soling of picked Jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.	sqm	105036.0	426.50	44797854.00	
15.0	Removal of rubbish earth etc. from the working site and disposal of the same beyond the compound in conformity with the municipal / corporation rules for such , disposal loading into truck and cleaning the site in all respect as per direction of the engineer in charge	cum	1700.8	251.10	427078.67	
16.0	Supplying and stacking of Double Wall Corrugated HDPE Pipe & RCC Spun Spigot Socket Pipe(NP3) of various dia at site including transport to site store , loading and unloading , including VAT @ 4% but excluding excise duty for government supplies.					
16.1	Double Wall Corrugated HDPE Pipe					
16.1.1	200 mm dia	m	89227.5	1005.80	89745376.41	
16.1.2	250 mm dia	m	4290.4	1166.25	5003685.44	
16.2	RCC Spun Spigot Socket Pipe(NP3)					
16.2.1	300 mm dia	m	3317.5	1524.83	5058006.94	
16.2.2	375 mm dia	m	2113.8	2885.27	6056601.38	
16.2.3	450 mm dia	m	1131.8	3481.76	3939857.35	
16.2.4	600 mm dia	m	100.3	3859.62	387149.88	
16.2.5	600 mm dia	m	1367.4	4888.45	6701120.31	
16.2.6	700 mm dia	m	1453.1	6294.69	9146807.50	
16.2.7	800 mm dia	m	547.2	8673.87	4746384.20	
	Sub-total		163548.8		130878699.5	
17.0	Laying of Double Wall Corrugated HDPE Pipe & RCC Pipe(NP3) with collar / Spigot Socket / Roll on Jointed Pipe and painting inside with one coat of coal tar, lowering the same in to the trench, laying on the bed in trenches in prescribed gradient , depth and alignment, filling in the end grooves with necessary bitumastic compound, filling caulking space with tarred gasket or with rubber gasket of appropriate size and covering with cement mortar (1:1) and testing the joints etc. complete as per drawing , specification including cartage from site stacks to the place of laying et. and as per direction of the engineer in charge.					
	making connection to old or new manholes (including dismantling and making good the manhole wall) and checking the 'as-laid' pipe with joints etc. as per the drawings, specification and and direction of the Engineer. (The rate shall include all cost of materials and labour for pipes including transportation & cartage of materials to work site, bedding, jointing with manhole, aggregate packing, dewatering, cleaning the inside surfaces of pipe after laying, bonning rods, sight rails, levelling instruments etc. as required for the above mentioned works).					
17.1	Double Wall Corrugated HDPE Pipe					
17.1.1	200 mm dia	m	89227.5	38.36	3433810.38	
17.1.2	250 mm dia	m	4290.4	45.45	195017.99	
17.2	RCC Spun Spigot Socket Pipe(NP3)					
17.2.1	300 mm dia	m	3317.5	54.54	180936.45	
17.2.2	375 mm dia	m	2113.8	66.02	139542.51	
17.2.3	450 mm dia	m	1131.8	97.61	110449.82	
17.2.4	600 mm dia	m	100.3	107.19	10751.18	
17.2.5	600 mm dia	m	1367.4	125.89	171861.67	
17.2.6	700 mm dia	m	1453.1	142.56	207153.94	
17.2.7	800 mm dia	m	547.2	189.54	103716.29	
	Sub-total		163548.8		4363340.2	
18.8	CCTV survey for sewer cleaning,laying, jetting to be done inclusive of necessary flow diversions etc as may be required to keep the stretch taken-up for survey empty including submission of reports.					



GOVERNMENT OF MADHYA PRADESH
DEPARTMENT OF
URBAN ADMINISTRATION & DEVELOPMENT
INTEGRATED STANDARD SCHEDULE OF RATES
(VOLUME I)
WATER SUPPLY, SEWERAGE
AND TUBE WELL WORKS



IN FORCE FROM
10th MAY, 2012

COMMISSIONER
URBAN ADMINISTRATION AND DEVELOPMENT
PALIKA BHAWAN, SHIVAJI NAGAR, NEAR 6 No. STOP,
BHOPAL, MADHYA PRAEDSH

www.mpurban.gov.in

**ITEMS OF UNIFIED SSR FOR WATER SUPPLY ,
SEWERAGE, DRAINAGE & TUBE WELL**

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CHAPTER- 12
Unplasticized Non-Pressure Polyvinyl Chloride (PVC-U) Pipes, DWC
Pipes for use in underground sewerage system.

- 1 Unplasticized polyvinyl chloride (PVC - U) pipes shall be as per IS 15328. & having BIS Certification mark.
- 2 Laying of Unplasticized polyvinyl chloride (PVC - U) pipe shall be as per IS 7634 (Part-3) : 2003
- 3 The solvent cement shall conform to the requirements laid down in IS 14182.
- 4 Integral sockets for either solvent-cement welding or for jointing with elastomeric sealing rings pipes made of unplasticized polyvinyl chloride (PVC-U) of nominal outside diameters ranging from 110mm upto and including 630 mm, intended for underground (buried) non-pressure gravity drain and sewer applications for transportation of soil and waste discharge of domestic origin, surface water (storm water).
- 5 Dimensions of Pipes :
 - (i) Mean outside diameter :- The mean outside diameter, outside diameter at any point and tolerances shall be as give in the table 1 of IS 15328 and shall be measured according to the method in IS:12235 (part-1).
 - (ii) Wall thickness :- The nominal wall thickness, e, shall be in accordance with table 2 of IS 15328. Tolerances in outside diameters shall be those given in IS 4985.
- 6 Marking :-

The colour of marking shall be different from the basic colour of the pipe. It shall be as

 - (i) Identification of the source of manufacture.
 - (ii) Outside diameter,
 - (iii) Stiffness class, and
 - (iv) Batch or lot number
- 7 Joints :

Elastomeric Sealing rings :- Elastomeric sealing rings shall be free from substances (for example, plasticizers) that can have a detrimental effect on the polyvinyl chloride of the pipe or fittings used in conjunction with the pipes.
- 8 Laying of pipes includes all precautions to guard against possible damaged to the existing structure/pipes lines, cables etc., taking precautions to prevent dirt from entering the pipe ends, lowering and laying pipes and specials in the trenches with specials arrangement such as cranes, tripods with chain pulley block, use of slings of canvas etc. to fit the ends of pipes and fittings/ specials to lift and lower the same. Inspection of pipes and fittings for defects by striking with a light hammer while suspended. Laying of pipes perfectly true in alignment and to gradient etc.
- 9 Minimum Cover

- 9.1 A minimum cover of 0.9 m should be ensured when normal truck traffic is expected and 1.8m should be ensured when heavy truck traffic is expected.
- 9.2 Bedding and backfill material must be free from boulders, sharp stones, flints etc.
- 9.3 Bedding should be prepared by laying on soft soil duly compacting and watering so that thickness of bedding is 100 mm to 150 mm. Please refer *Drawing No. 3*
- 10 Providing and supply of DWC HDPE pipes class SN8 for non pressure underground sewerage drainage application as per EN: 13476-3 is also given in the given chapter. Pipes and fittings shall be as per relevant BIS/ISO specifications. Material should be used after obtaining third party quality assurance certificate
- 11 Providing and supply items for zero velocity valves and air cushion valves conforming also norms are to be used after obtaining third party quality assurance certificate.
- 12 Measurement
All measurement should be of the finished work only. The net length of pipes as laid or fixed shall be measured in running meters correct to 10mm. The portion of the pipe inside the joints shall not be included in the length of pipe work. Excavation, refilling, masonry and concrete work wherever required shall be measured and paid for separately under relevant items of work.
- 13 Rates
The rate shall include the cost of material and labour involved in all the operation described above excluding the cost of concrete which shall be paid separately.

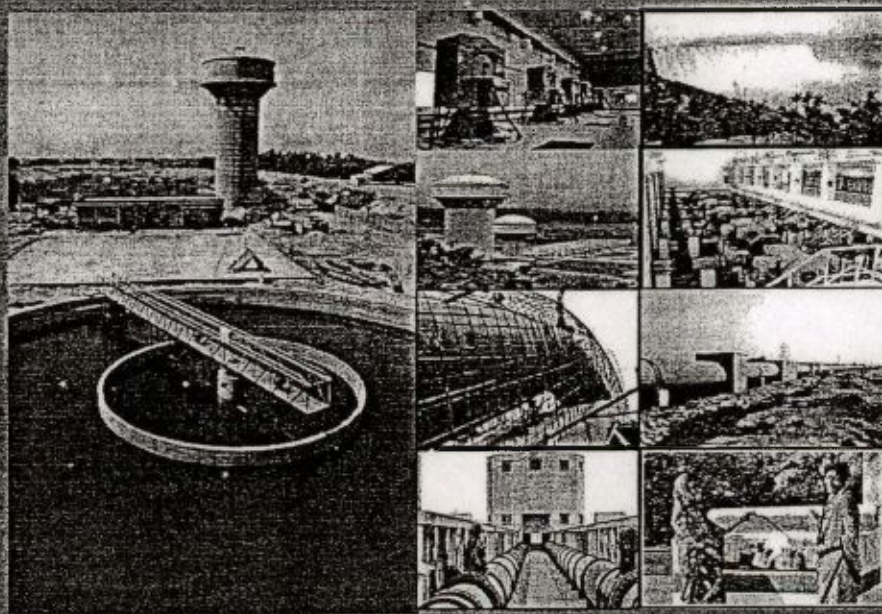
CHAPTER 12 -- Unplasticized Non-Pressure Polyvinyl Chloride (PVC-U) Pipes, DWC Pipes for use in underground sewerage system.

S.No.	Particulars of Items	Unit	Rates (in Rs.)
12.1	Providing, laying and jointing following P.V.C. - U pipes with solvent cement joint for Non-pressure gravity drain and sewer applications including testing of joints, cost of jointing materials etc. complete in all respect. [Conform to IS 15328:2003, solvent cement shall conform to IS 14182].		
	110 mm dia.	Per Meter	185.00
	125 mm dia	Per Meter	249.00
	160 mm dia	Per Meter	343.00
	200 mm dia	Per Meter	606.00
	250 mm dia	Per Meter	991.00
12.2	Providing and supply of DWC HDPE Pipes of renowned duly tested inclusive of all taxes related to central, state and municipal, inclusive of excise duty, inspection charges, transportation charges, transit insurance, loading/ unloading and stacking at site/ store etc, complete.		
12.2.1	Internal dia /Outer dia		
12.2.1.1	76 mm / 90 mm	Meter	88.00
12.2.1.2	100 mm / 120 mm	Meter	135.00
12.2.1.3	135 mm / 160 mm	Meter	191.00
12.2.1.4	170 mm / 200 mm	Meter	298.00
12.2.1.5	250 mm / 295 mm	Meter	767.00
12.2.1.6	400 mm / 480 mm	Meter	1524.00
12.2.1.7	600 mm / 715 mm	Meter	3640.00
12.2.1.8	800 mm / 950 mm	Meter	6004.00
12.2.1.9	1000 mm / 1200 mm	Meter	9055.00

Gujarat Water Supply Board

Schedule Of Rates

Year:- 2011-2012



Material

Section:- A



ગુજરાત પાણી પુરવઠા અને ગટર વ્યવસ્થા બોર્ડ,
ઠાંધીનગર

બોર્ડ સભ્ય મંડળની ૨૪૦મી બેઠક તા.૦૭/૦૩/૨૦૧૨ના રોજ મળેલ જેના ઠરાવ નં.૧૨ના નિર્ણયની નકલ


બીએમ/૨૪૦/૧૨

ભાવસૂચિ (S.O.R.) વર્ષ ૨૦૧૧-૧૨ મંજૂર કરવા બાબત.

સભ્ય મંડળે મુખ્ય ઇજનેરશ્રી ઝોન-૩ રાજકોટ તરફથી ભાવસૂચિ (S.O.R.) વર્ષ ૨૦૧૧-૧૨ મંજૂર કરવા રજૂ કરેલ એજન્ડા વંચાણે લીધો.

સભ્ય મંડળે વર્ષ ૨૦૧૧-૧૨ ના બોર્ડના સીવલ કામની ભાવસૂચિ મંજૂર કરવા સંદર્ભમાં મુખ્ય ઇજનેરશ્રી (ટેકનીકલ) વિગતો આપતાં જણાવ્યું કે એસ.ઓ.આર. માટે બોર્ડ રચના કરેલ કમિટી સમક્ષ એસ.ઓ.આર. રજૂ કરી એસ.ઓ.આર. કમિટી ધ્વારા કરવામાં આવેલ સુચન/સુધારા વધારા સાથેની ભલામણ અન્વયે એસ.ઓ.આર. તૈયાર કરી બોર્ડ સભ્ય મંડળ સમક્ષ રજૂ કરેલ છે જેમાં ભાવસૂચિ બનાવવા માટેનું રેઇટ એનાલીસીસ માટેનું સ્ટાન્ડર્ડ ડોક્યુમેન્ટ મંજૂર કરવાની દરખાસ્ત છે. એસ.ઓ.આર. માં સમાવિષ્ટ ન હોય તેવી આઇટમો માટે સંબંધિત વિભાગ જેવા કે માર્ગ અને મકાન વિભાગ, સિંચાઈ વિભાગ, મેરીટાઇમ બોર્ડ વિગેરેના એસ.ઓ.આર. મુજબ (જે તે જિલ્લાની ભાવસૂચિ મુજબ) જેને આઇટમના ભાવોના અંદાજ બનાવવા માટે ઉપયોગમાં લેવાની મંજૂરીની દરખાસ્ત છે. આ ઉપરાંત ઓખા મંડળ તાલુકાનો બેટ વિસ્તાર, ડાંગ જિલ્લા તથા વલસાડ જિલ્લાના ધરમપુર તથા કપરાડા તાલુકાનો વિસ્તાર, અન્ય ટ્રાયબલ વિસ્તાર, ડીડીપીમાં આવતા તાલુકાઓ તેમજ કચ્છ જિલ્લામાં તથા સાબરકાંઠા જિલ્લાના ખેડબ્રહ્મા, વિજયનગર તાલુકા વિસ્તારમાં કુવાની કામગીરી માટે અને શહેરી વિસ્તાર માટે એસ.ઓ.આર.ના દર ઉપરાંત એજન્ડા સાથે સામેલ પરિશિષ્ટ મુજબ વધારાના દર ઉમેરીને ગણવાની દરખાસ્ત છે.

સભ્ય મંડળે ઉપરોક્ત રજૂ થયેલ વિગતો ધ્યાને લઈ વર્ષ ૨૦૧૧-૧૨ ના સીવલ કામની ભાવસૂચિ (એસ.ઓ.આર.) મંજૂર કરવાની દરખાસ્ત મંજૂર કરવા ઠરાવ્યું.


મુખ્ય વહીવટી અધિકારી

Item no.	Size in mm	Unit	Rate for 2011-12
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Item no. 15**Corrugated DWC HDPE pipes**

Providing and supplying of Class SN8 Structured Wall polyethelene Piping systems (Pipe with online/offline coupler and elastomeric sealing ring) with non-smooth External Annular Corrugated and Smooth Internal Surfaces (Double Wall) for non-pressure underground Sewerage & Drainage application as per EN:13476-3 including all local and central taxes, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to the departmental stores etc. complete.(OD Dia)

A. With excise Duty

1	90	mm dia	RMT	114
2	120	mm dia	RMT	176
3	160	mm dia	RMT	247
4	200	mm dia	RMT	428
5	295	mm dia	RMT	1132
6	480	mm dia	RMT	2404
7	715	mm dia	RMT	5275
8	950	mm dia	RMT	7510
9	1200	mm dia	RMT	10772

B With excise Duty Exemption

1	90			128
2	120			196
3	160			274
4	200			470
5	295			1243
6	480			2612
7	715			5782
8	950			8258
9	1200			11976

Item no. 16**High Density Poly Ethylene (HDPE - PE-100) Pipes in standard length suitable for Sewage & Industrial Effluents**

Providing & Supplying of ISI Marked High Density Poly Ethylene (HDPE - PE-100) Pipes in standard length suitable for Sewage & Industrial Effluents as per IS Specification no. 14333-1996 or its latest revision / amendments including all local & central taxes & duties, freight charges, loading, unloading & conveyance to departmental stores etc. complete.

With excise Duty**A) 6 Kg / cm².**

1	63	mm dia	RMT	68
2	75	mm dia	RMT	97
3	90	mm dia	RMT	137
4	110	mm dia	RMT	195
5	125	mm dia	RMT	250
6	140	mm dia	RMT	315



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GUJARAT WATER SUPPLY AND SEWERAGE BOARD
(Gujarat Government Undertaking)



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- [Nominations of Suitable officials for the Retirees' Congress Sponsored by the Ministry of Urban Development CPHEEO](#)
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Comparision of DWC HDPE vis-à-vis Non Pressure RCC Pipes

Pipe Proterty

HDPE DWC Pipe

Concrete pipe

Metallurgical

Flexible Pipe - good flexural strength, high tenacity, lower density, not brittle.	Rigid Pipe - No Flexibility, high density, low tenacity, very brittle.
--	--

Structural

Flexible Joints - allows deformation and movement that won't damage structure under external load. No additional structural protections in the form of bedding reinforcements are necessary.	When bearing external load, even very small deformation will damage the structure of pipe. Provision of additional structural bedding is almost imperative.
--	---

Hydraulic

The glass amooth inner surface has Manning's 'N' in the range of 0.009-0.011 and the said coefficient virtually dosen't deteriorate during the entire life expectancy.	The flow resistance factor for NP CR Pipes is much higher (0.011-0.015) which also deteriorates very fast in 5 year ageing intervals as well.
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Jointing

Online push-on Coupling System with elastomeric seal ring. BUTT welding, fabricated welded fittings as well.	Spigot & socket joints with rubber rings & the annular space are sealed by cement mortar.
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Water Tightness

Very good connection tightness, no leakage of sewage & no infiltration of ground water even in unfavourable bedding contour. Hance no need for allowance for ground water infiltration in hydraulic design and conduits. Environmentally friendly since no chance of water & soil pollution.	Poor tightness, susceptible to leakage at joints, no flexibility for bending compatibility with bed contour. Allowance for ground water infiltration in hydraulic design is imperative resulting in the adoption of unnecessary higher diameter pipes. Possibility of environmental pollution due to sewage leakage.
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Chemical Inertness

Immune to all corrosive chemicias and biological ingredients pertaining to domestic sewage as well as industrial effluents. No possibility of 'Crown Corrosion' hence chances of physical deterioration of the pipes are almost non-existent	Deteriorates rapidly in contact with mild chemicals and biological contents of domestic and industrial waste water. 'Crown Corrosion' is a chronic problem resulting in frequent system maintenance problems.
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Life

Designed Life Time expected up to 75 to 100 years. Time tested up to 40 years in variou parts of world.	Maximum life up to 30 years.
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Socio-Environmental

Core urban clusters are traditionally the haphazardly grown, narrow and crowded portions of the metropolis. Such sensitive areas call for special rehabilitation approach for renewal of its sewerage networks. The installation time for the deep underground facilities is directly linked with the degree of discomfort of city dwellers. DWC HDPE pipes being very light are far easier and economical to handle, transport, install and maintain and is therefore considered as the best system to overcome the cited socio-environmental bottleneck.	On account of adverse heaviness, susceptibility to damage during the transportation and imperative usage of crude and space consuming tools in installation process, the handling, imperative usage of crude and space consuming tools in installation process, facilities is directly linked with the degree of excessive requirement of man power in the installation process, The socio-environmental effects using this system are thus very dterminal.
--	---

Pipe Property	HDPE DWC Pipe	Concrete pipe
Installation time	Good Flexibility, minimal requirement of foundation, no seasonal or temporal constrain in installations, good bending and property. Light weight, ease in transporation, handling and installation time.	High rigidily, imperative requirement for strucutral bedding, cumbersome and intensive labour oriented transportation & handling. extensive requirement of equipments for lowering and installation.
Working Features	Highly safe under buried installations. Can be repaired by welding. No chance of scale and fungus formation. Good Abrasion resistance.	Low safety under buried installation, need holistic replacement instead of spot repairing. Scale formation and fumigation is a very common feature. Erodes very rapidly due to low abrasion resistivity.
Available Lengths	Available in 6 (six) Meter Standard Lengths. Can be cut to any length by simple hand tool. Length can also be customized as per requirement.	Available in 2.5 meter length only. Cannot be reduced to shorter lengths by simple cutting at site.
Damage during transportation & field handling	Due to light weight and flexibility, chance of damage during handling & transportation is negligible. Easy to ensure closed end water test at field after installation.	Highly susceptible to damage during transportation & handling. Once damaged, repair may not at all be possible. Almost impossible to ensure the closed end continuity test at field after laying which is an imperative necessity for gravity flow system.
Maintenance Status	Because of favourable chemical and biological properties in relation to resistance to corrosion, insrustation and anti-scale formation, there is virtually no need for maintenance. Periodical pressure flushing will keep the inner surfance of the pipe glass smooth for its entire life.	Considerable quantum of annual maintenance budget allocation is necessary to keep the system working. Conveyance capability would reach the bottom at the end of its 30 year design life.
Summary	<p>Due to</p> <ul style="list-style-type: none"> * Light Wieght * High Flexural Strength and flexibility * Favourbale hydraulic property * Longer life span * Ease in handling and transportation * Convenience in installation * Vittually maintenance free status * Socio-Environmentally beneficial. <p>DWC HDPE Pipes are economically & technically more liable than NP3 RC Pipes. All features taken into consideration, the DWC HDPE Pipes will be at least 26% cheaper and less time consuming to complete a total in comparision to Non-Pressure Concrete Pipes.</p>	

Hence, DWC Pipes are decisively superior to Class NP3 RCC Pipes in all areas of comparisions

Comparision of DWC HDPE vis-à-vis Non Pressure RCC Pipes - INSTALLATION

Stages	HDPE DWC Pipe	Conerete pipe
Transportation	Very light in weight. Substantial quantity of pipes can be transported in one truck load [1/20th of the weight of RCC Pipes]	Very heavy. Limited number of pipes can be transported in one truck load.
Handling	4501 mm and smaller pipes can be moved by hand. Larger pipes require a nylon sling and low labour strength. Chance of damage during handling almost non-existent.	Extensive labour oriented handling work with support of crude machinery. Chance of damage during handling is very high.
Storage	V-Stacking with telescopic placement is vertical layers possible. Occupies less space, with sockets at opposite ends.	Expert very smaller diameter pipes, vertical stacking in layers at site not possible.
Trench Preparation	Trench should be just wide enough to place and compact back fill around entire pipe. Provision for extra width for bedding is not necessary.	Wider Trenches are almost imperative for accommodating extended base of concrete cradle.
Trench Protection	Depending on the depth of invert, trench protection either in Timber Shoring and Cross Timber Struts or MS Sheet piling without cross struts shall be necessary. For shallow trench, no such extra protection shall be necessary.	The Methodology shall be identical as of DWC Pipes.
Preparation of Pipe Bedding & Installation of Pipe	No separate bedding is necessary, only BFS over a sand cushion shall be sufficient to ensure the required pipe laying gradient. Pipe shall then be promptly installed with by pushing it from the end slope o f trench and setting it below the horizontal struts.	After the bottom layer of concrete cradle is prepared the pipes shall be placed over the bedding. The remaining portion of concrete cradle shai. be plugged after pipes are set at proper gradient over the bottom layer.
Socket & Spigot Joint Assembly	Socket and Spigot Joining shall be necessary at 6m intervals. Placing the spigot in to socket and aligning the same smoothly would be sufficient for interlocking. The pushing for joining is very smooth on account of lightness of the pipes as it involves minimal labour strength.	The pushing spigot end having a circumferentially placed rubber ring on it at each 2.5 M interval is an intensive labour job. Because of frequency of joints, the process become more hazardous and time taking.
Backfilling	The trenches should be filled up with original excavation spoils or by any suitable foreign material in layersof 150 mm depth and compacted with necessary water proofing, either by hand hammers or compactors to a minimum level of 85% of Proctor Density.	Trench filling is same for DWC pipes.
Maintenance	Virtually no maintenance required. Periodical flushing with water may be very useful. Since that they can withstand 2.5 kg/cm 2 of pressure, pump flushing is ideal.	Regular and routine maintenance is imperative since the inner surface is comparatively rough and very chemically sensitive. Possibility of crown corrosion is also predominant in spite of regular maintenance.
Repair	No chance of damage under normal circumstances so need for repair is minimal. If at all required, it can be repaired on site.	If damaged the entire single length of pipe need to be replaced. No local repair possible.

No.Q-12045/15/1/NURM/2011-CPHEEO
Government of India
Ministry of Urban Development
(CPHEEO)

Sub: DPR for "Sewerage System at Ujjain", Madhya Pradesh at an estimated cost of Rs. 34190 Lakhs for consideration under JNNURM-Technical Appraisal-Regarding.

Ref: NURM Dte. OM No.K-14012/67/2011 – NURM. III Dated 17.10.2011

NURM Dte. Of the Ministry has forwarded to CPHEEO the DPR for "Sewerage System at Ujjain", at an estimated cost of Rs. 34190 Lakhs submitted by Government of Madhya Pradesh/Ujjain Municipal Corporation (UMC) for consideration under JNNURM vide reference cited.

The DPR was examined in consultation with UMC and their consultants on 14.11.2011 at CPHEEO and found that the following technical corrections needed to be carried out:-

- a. Re-design of the sewage pumping mains for average flow conditions across 24 hours with check for peak flows instead of only peak flow design, as they occur during 4-5 hours only in a day.
- b. Amalgamation of the closely located sewage pumping stations Nos. 2 & 3 into a single unit. Instead of two separate pumping stations and pumping mains, only one pumping station and single pumping main to save not only capital costs but on huge energy costs.
- c. Considering the use of the latest dual walled corrugated (DWC) smooth HDPE pipes for sewerage for diameters upto 1000mm due to their inherent corrosion resistance, easy water tight joints, faster jointing, light-weight still possessing all qualities of RCC pipes.
- d. Correction in using DI-K9 pipes for sewage pumping mains instead of the DI-K7 used, as K7 pipes can be used only for gravity flow conditions.
- e. Deleting the 11.23 % cost escalation included in the several items on Schedule of Rates (SoR) Rates as there is no such notification / circular issued by the Government of Madhya Pradesh.

The following Officials and Consultants of Ujjain Municipal Corporation have attended the offices of CPHEEO on the dates mentioned for technical discussions and for carrying out the modifications required:

S No	Name	Designation	Dates of Visit
1	Shri Prabhu Lal Tatwal	Executive Engineer, Ujjain Municipal Corporation	23.11.2011
2	Shri K.G . Agarwal	Consultant to UMC	14.11.2011
3	Shri Kuldeep Singh	Consultant to UMC	14.11.2011, 21.11.2011 to 23.11.2011

The required corrections to the DPR have been carried out by UMC and their consultants in accordance with the suggestions given above and furnished to CPHEEO in the form of addenda to the DPR on 23.11.2011. Accordingly, the DPR with its addenda has been examined and the details of technical appraisal are as follows:

1.	Proposal	Sewerage System for Ujjain Municipal Corporation
2.	Name of State / UT	Madhya Pradesh
3.	Name of City	Ujjain
4.	Objectives	To provide comprehensive sewerage system in Ujjain City with corresponding sewage Treatment facility for proper disposal.
5.	Whether CDP is prepared	Yes
6.	Background	<p>The ancient city of Ujjain has been a prime Capital city in the historical past. Though it is not a Capital city anymore, due to the factors of religion & history, it is still maintaining great importance. Ujjain is one of the most important religious/holy cities in India. It is having a constant stream of Piigrims from all over India visiting its famous temples. It also gets fully packed during the Kumbh Mela held once in 12 years.</p> <p>Ujjain city is a district Head Quarter and located close to the large urban centre of Indore. Hence, urbanization in the city has been steady. The population of Ujjain as per 2001 Census is 4.30 lakh spread over the Municipal limits of 92.68 Sq.km. At present there is no sewerage system in Ujjain city.</p> <p>Ujjain Municipal Corporation is responsible for providing the basic urban services such as water supply and sewerage facilities in the City. Over the years, substantial water supply infrastructure has been created in the city and also presently being augmented under the JNNURM approved project. But the city does not have the corresponding sewerage system. The residents are either having septic tanks or directly discharging sewage to storm water drains. The city has implemented a project for sewage treatment under the National River Conservation Project, without sewerage network. The sewage is intercepted and sent to the 52.75 MLD sewage treatment plant based on Facultative Waste Stabilization Pond Technology. Ujjain Municipal Corporation has now proposed to develop comprehensive sewerage infrastructure to be linked to the STPs as required.</p>

7.	<p>Present Status:</p> <p>At present there is no sewerage system at Ujjain Municipal Corporation. Every household/premises is disposing off its wastewater either in existing storm water drains or private septic tanks without any efficient treatment. The present sewage disposal system is a hazard to the public health and degrading to the environment.</p>										
8.	<p>Need of the Project:</p> <p>There is no sewerage system in the Ujjain city. The large number of pilgrims due to religious significance contributes to the waste stream. The existing methods of sewage disposal that is allowing it to flow elsewhere without any treatment, poses public health risk. On the other hand, water supply system is properly developed as per National standards. The STP set up in 2003 under the NRCP is only intercepting wastewater from drains. As the wastewater is flowing openly in the drains the health risk is prevalent. Proper sewerage network is required to correct the imbalance.</p> <p>Ujjain Municipal Corporation has prepared detailed project report for constructing sewerage system in city and the same has been submitted to the Ministry for possible funding under the JNNURM.</p>										
9.	<table border="1"> <tr> <td>Area, Sq.Km</td> <td>92.68</td> </tr> <tr> <td></td> <td>Project area is for 100% Population coverage for sewerage, leaving aside the open areas reserved for Kumbh Mela.</td> </tr> </table>	Area, Sq.Km	92.68		Project area is for 100% Population coverage for sewerage, leaving aside the open areas reserved for Kumbh Mela.						
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		machinery at 4 locations (reduced to 3 nos during appraisal) • Rising main – 14.591 Km(reduced to 3 nos & 3.564 Km during appraisal) • Sewage Treatment Plant 21.67 MLD (during appraisal changed to –24 MLD at Gaughat & 8 MLD at Piliya Khal for sound decentralized approach & reducing pumping)				
15.	Estimated Cost (proposed)	Rs. 34190.00 Lakh				
	Appraised	Rs. 26609.87 Lakh				
16.	Period of Implementation (Schedule)	36 months				
17.	Funding pattern GOI : State : ULB	80%:10%:10%				
	Total Project Cost	GoI (80%)	State Govt. (10%)	UMC(00%)		
	CPHEEO's recommendation Rs. 26609.87 Lakh	21287.89	2660.99	2660.99		
18.	Financial Phasing	2011-12(part), 2012-13, 2013-14, 2014-15(part) (Total period of 36 months from January 2012 to December 2014)				
19.	Implementing Agency	Ujjain Municipal Corporation				
20.	Annual O & M Expenditure	Furnished				
	Existing	There is no sewerage system.				
	Proposed (2015)	Rs. 245.64 Lakh for total UMC including project area				
		2014-15	2015-16	2016-17	2017-18	2018-19
	245.64	253.50	261.36	269.22	277.08	284.94
21.	Agency responsible for O&M	Ujjain Municipal Corporation				
22.	Sewerage Cess					
	Existing	UMC is not collecting any taxes for sewerage.				
	Proposed	Sewerage Charges will be approved by the UMC General Body and will be levied after GoMP approval.				
	Type of Connection	Monthly sewerage Tax proposed				
	Residential	Rs. 30/- per household/ establishment per month				
23.	Revenue Generation (Rs. Lakh)					
	Existing	Nil				
	Proposed (2015)	Rs. 312.90 Lakh per annum from User Charges for project area for entire UMC.				

24. Service Level Benchmarking : For sewerage in Ujjain after project implementation 2015.

	Sewerage	Benchmark	Present	After Project
1	Coverage of Toilets	100%	Nil	100%
2	Coverage of Sewerage network services	100%	Nil	100%
3	Collection efficiency of Sewerage network	100%	Nil	100%
4	Adequacy of Sewage treatment capacity	100%	Nil	100%
5	Quality of Sewage treatment	100%	Nil	100%
6	Extent of reuse & recycling of treated Sewage	20%	Nil	Nil
7	Efficiency in redressal of Customer Complaints	80%	Nil	Cell to be set up
8	Extent of cost recovery in Sewage management	100%	Nil	100%
9	Efficiency in collection of sewerage charges	90%	Nil	90%

24.	Estimated Cost for Consideration & approval	Rs. 26609.87 Lakh
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CPHEEO's Technical Comments on the DPR:

1. The DPR is for providing comprehensive sewerage system city with matching treatment facility for the capture, conveyance, treatment (as per effluent standards of Madhya Pradesh Pollution Control Board)) and final disposal of sewage generated in the Ujjain Municipal Corporation.
2. The population projections for the intermediate design year 2030 and ultimate design year 2045 have been made by adopting the Incremental Increase Method suggested in the CPHEEO Manual on Sewerage and Sewage Treatment (the Manual) published by the Ministry.
3. The projected population has been distributed in the project area in the wards / zones and accordingly, the design of sewer network has been carried out.
4. Design of sewerage system has been done as per guidelines / norms laid down in the Manual on Sewerage and Sewage Treatment published by the Ministry with computer aid and is in order.
5. Sewage generation is calculated @ 80% of the per capita water supply (135 lpcd) along with infiltration of 2000 Litres / day /Km length of sewerage network. This is within guidelines of the Manual.

6. The sewerage system has been designed for the minimum velocity of 0.6 metres/second (mps) for peak flow at the base year and a minimum velocity of 0.8 metres/second (mps) at peak flow at the ultimate design year, as per the Manual.
7. The pipe size/diameter is selected by considering bore utilization up to 80% as per Manual. The flattest slope possible is provided so as to achieve the required minimum self cleaning velocity in sewer lines with an aim to minimize the sewerage depth, thus, ensuring the reduced cost. The minimum size of sewer as 170 mm for the DWC HDPE pipes used, which is more than the minimum 150 mm indicated in the Manual.
8. The minimum depth of cover above sewer pipes is 1.0 metre. Depending upon the topography, the maximum depth of cutting is 8.0 meters in the design.
9. The distance between manholes has been considered as per guidelines values given in the Manual.
10. Wherever required , drop manhole arrangements have been made for the following :-
 - to convey the sewage to the manhole without splashing
 - to minimize the scour action
11. Considering the capital cost, durability, availability, light weight, water-tight joints and corrosion resistance, the double-walled corrugated (DWC) HDPE pipes have been proposed matching the international standards for sewerage applications for gravity networks. In view of their greater corrosion resistance, the proposed pipes are accepted as the costs are nearly the same as that of RCC pipes. However, DI K9 pipes have been proposed for the sewage pumping mains.
12. Design of sewage pumping station has been furnished and found to be as per guidelines of the Manual.
13. Design of pumping units required to lift sewage to the inlet of STP has been furnished. The standby capacity is as per norms. The life of electro-mechanical equipment is considered as 15 years as per the Manual.
14. The disposal of the treated sewage is into natural drain for irrigation purposes. The treated effluent will have to conform to the standards laid down by the Madhya Pradesh Pollution Control Board (MPCB).
15. The sewage treatment plant is designed based on Facultative Waste Stabilisation Pond as required land is available. The units for removal of floating debris, grit, biological treatment (waste stabilization) for removal of BOD with all mechanical and electrical work.

16. The cost estimates have been prepared based on the detailed quantity survey and rates as per current Schedule of Rates (SoR) i.e., MPPHED SoR 2009-10. For non-SOR items, market rates have been considered.
17. The cost estimates have been firmed-up to current price level in 2011-12 and no cost escalation shall be admissible during the implementation period. If at all there is any cost escalation, the same shall met by UMC/Government of Madhya Pradesh.
18. It is mentioned that UMC will carry out O & M activities and O&M estimate for the project components has been furnished in the DPR. UMC will impose sewerage user charges, as approved by its General Body, to meet the O&M cost.
19. The BAR Chart and Implementation Schedule have also been enclosed.
20. It is mentioned that all the capital investment will be grant-in-aid from Govt. of India, Govt. of Madhya Pradesh and budgetary allocations of UMC. Hence no difficulty is fore-seeing for funding the project.
21. As the DPR for providing Sewerage and Sewage Treatment facilities in the Drainage Zone Areas of Ujjain city has been framed in accordance with the guidelines of the Manual, The MP State SoR, we may accord technical approval to the same at the estimated cost given below. The implementation agency / owner of the project shall comply with the general comments for project implementation that follow:-.

Estimate of Appraised Cost

(Rs. Lakh)

No.	Components	Cost Proposed	Appraised Cost
		(SoR 2009-10, Current)	(SoR 2009-10, Current)
(1)	Sewerage Network (170 mm to 1600 mm diameter using DWC HDPE pipes)		
	Sewerage System Zone No. 1 (Gaughat)	8580.50	8720.50
	Sewerage System Zone No. 2 (Ramghat)	4905.00	4758.60
	Sewerage System Zone No. 3 (Piliya Khal)	2177.00	2281.50
	Sewerage System Zone No. 4 (Bhairugarh)	1941.00	1439.30
(2)	Sewage Pumping Station (Civil, Mechanical & Electrical Works)		
	Sewerage System Zone No. 1 (Gaughat)	88.00	88.00
	Sewerage System Zone No. 2 (Ramghat)	35.00	35.00
	Sewerage System Zone No. 3 (Piliya Khal)	45.00	45.00
	Sewerage System Zone No. 4 (Bhairugarh)	40.00	0.0 (deleted)
(3)	Screen Chamber		
	Sewerage System Zone No. 1 (Gaughat)	3.70	3.70
	Sewerage System Zone No. 2 (Ramghat)	4.90	4.90

No.	Components	Cost Proposed	Appraised Cost
		(SoR 2009-10, Current)	(SoR 2009-10, Current)
	Sewerage System Zone No. 3 (Piliya Khal)	1.50	1.50
	Sewerage System Zone No. 4 (Bhairugarh)	1.50	0.0 (deleted)
4.	Pumping Plant	154.80	198.90
5.	Electric Work	171.00	146.05
6.	Butterfly Valve Chamber	13.60	10.20
7.a	Rising main	1947.20	529.09
b	Inverted Siphon at Zones 2&4	0.00	43.44
8	Sewerage Treatment Plant	500.00	920.00
9.	Staff Quarters	44.31	2.70
10.	Railway Crossing	30.00	30.00
11.	House Service Connections (upto pvt. Property line)	12349.85	6451.64
	Total:	33033.86	25710.02
	3% Contingency Charges:	991.016	771.30
	0.5% Administrative Charges:	165.169	128.55
	Grand Total Rs.	34190.045	26609.87

General Comments for Project Implementation:

- Ujjain Municipal Corporation (UMC) shall obtain all administrative and technical clearances from Government of Madhya Pradesh / competent authorities immediately upon approval by CSMC and expedite project implementation.
- The required land for sewage treatment plants proposed at Gaughat and Piliya Khal shall be immediately acquired before starting implementation of sewerage network in the connected zones nos.1 and 3, respectively.
- UMC shall also obtain statutory clearances from the Madhya Pradesh State Pollution Control Board (MPSPCB). Required clearances shall also be obtained from Authorities of National & State Highways, Railways and other departments / agencies to expedite the project implementation.
- Ground levels for the project area may be rechecked for design of sewer network, before constructing sewer network to ensure 'self-cleansing velocity' in each and every section of the network. Wherever it is not possible to generate self-cleansing velocity, regular flushing system shall be provided for flushing the sewer lines at regular intervals.
- While laying sewer pipes, every precaution should be taken against the possible settlement of sewers and design of sewer bed should be done as per the guidelines suggested in the Manual on Sewerage and Sewage Treatment.
- Before laying sewers, soil investigation and test borings should be done at suitable intervals along the alignment of sewers so as to ascertain the type of soil

at different depths, status and behavior of the ground water table and bearing capacity of the soil. The design may be modified if necessary on the basis of the geological conditions.

- While laying sewers of different sizes and lengths and during construction of man-holes, standard procedures as indicated in the Manual on Sewerage and Sewage Treatment and BIS specifications shall be followed.
- Flushing tanks, ventilating shafts and inspection chambers may be provided at suitable locations along the alignment of main and trunk sewers to ensure self-cleaning flow in the sewers and escape of foul gases and proper inspection for O&M, wherever necessary.
- All electrical and mechanical equipment and machinery and other materials such as pipes, fittings and specials and M.H. cover should conform to BIS Specifications and preferably procured direct from manufacturers.
- The characteristics of the sewage / waste water may be analyzed by taking composite sample on hourly basis for 24 hours, over a period of time and accordingly the design of the sewage treatment plant may be decided for minimum capital and recurring expenditure based on techno-economic considerations.
- UMC may also explore the possibility of various treatment options. The cost effective treatment option may be adopted based on the cost economics, taking into account all factors such as land availability, power consumption, maintenance cost, possibility of energy recovery through gas production, etc., suiting to the local environmental conditions in Ujjain. The UMC may float tenders accordingly.
- UMC should ensure that the treated sewage conforms to the standards prescribed by the Madhya Pradesh State Pollution Control Board/competent authority depending upon the mode of final disposal.
- Structural design of various components of the scheme may be got approved from the competent authority before implementation of the sewerage project components.
- A suitable laboratory may be set up for analyzing raw and treated sewage samples regularly.
- The implementation schedule /PERT chart with CPM may be formulated once tenders are finalised and should be strictly adhered to in order to avoid time and cost over-runs. The Monitoring report may be furnished by the UMC to this Ministry regularly for perusal and record.
- A plan of action for giving house sewer connections to all households/establishments during the implementation shall be prepared and adhered to. A suitable provision be made in the municipal law and the building bye-laws to enforce compulsory sewer connections to the households / premises.

(19)

- Suitable Sewage Cess / tariff and sewer connection fee may be imposed on the beneficiaries to recover at least the O&M cost of the project.
- All O&M personnel should be imparted with adequate training for smooth operation and maintenance of the scheme. Possibility of out sourcing the O&M activity through NGO /CBO also may be explored.
- An Action Plan for using the treated sewage for irrigation and other non- potable uses also may be chalked out.
- The project "Sewerage System at Ujjain" has been approved with the current Schedule of Rates without any price contingencies during the implementation period. The price escalations, if any, shall be met by Ujjain Municipal Corporation / Govt. of Madhya Pradesh.
- The project shall be implemented duly meeting the specifications of relevant codes of practice published by the Bureau of Indian Standards (BIS) and in compliance with all the statutory requirements.
- No change in the scope of work shall be effected without prior approval of Ministry/CPHEEO.

Encl: Original DPRs, Revised DPRs & Project Appraisal Report
(7 Volumes +1 Addenda = 8 Volumes & PAR)

J.B. Ravinder
23.11.11.

(J.B. Ravinder)
Deputy Adviser (PHE)
23.11.2011

TIME : 30/07/2009 12:44
 NAME : A. OME XTRUSIONS
 FAX : 91332282730505
 TEL : 913340106789

DATE, TIME
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KOLKATA METROPOLITAN WATER AND SANITATION AUTHORITY

32, B. B. D. BAG (SOUTH), KOLKATA - 700001

Telephone : 2248-2346/47 2248-9815, 2248-9528

OFFICE OF THE CHIEF ENGINEER(Dev)-II
 34A&B, SASHI BHUSAN DE STREET, KOLKATA-700 012

No. C.E. 0/24-1/07/173

Date: 30/7/09

To: M/S. Atom Poly Extrusions (P) Ltd
 7B, Pretoria Street
 Kollate 700 071

Dear Sirs,

Sub: Double Wall Corrugated (DWC)
 High Density Polyethylene (HDPE) piping
 System for non pressure (gravity flow)
 Drainage & Sewerage application

Ref: Your letter No. nil dated 26.05.09

This is with reference to your letter on the subject mentioned above. In reference to your request, we are pleased to express our intention to recognize DWC HDPE piping system for the cited application in bulk consumption as a substitute to conventional system, subject to the National Standardisation of the product by BIS, GOI. However, your presentation and technical discussions revealed that the DWC HDPE pipe is techno-commercially feasible to substitute the prevailing Non-Pressure piping systems in Sewerage & Drainage applications.

However, the above statement is without any commitment from this end.

Thanking you,

Yours faithfully,

Ajay Sarkar
 30.7.09

Ajay Sarkar,
 Chief Engineer(Dev.)-II
 K.M.V. & S.A.

2 Crm

Anik Kumar Roychowdhury
FIE, BE (Civil), M.S. (Env. Engg)USA
Chartered Engineer

Former Chief Engineer, KMW&SA
&
Principal Consultant (Drainage)
Kolkata Municipal Corporation

17.11.2008

M/s Alom Poly Extrusions Pvt. Ltd.
Alom House
7-B Pretoria Street,
Kolkata 700 071

Sub: Double Wall Corrugated (DWC) High Density Polyethylene (HDPE) piping system for non pressure (gravity flow) Drainage & Sewerage application
Ref: Your letter dated 14.11.2008

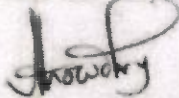
Dear Sirs,

This has reference to your letter under above coverage related to captioned subject. In response to your request I am pleased to express our intentions to recognize above piping system for the cited application for bulk consumptions as alternative to routine systems provided the product is nationally standardized by the BIS. However, from your presentations and subsequent technical discussions, it appears that the product is a techno-financially viable alternative to prevailing system especially for the crowded metropolies.

However, above statement is without any commitment from my end at this juncture.

Thanking you

Yours faithfully



Anik Kumar Roychowdhury

Residence EE35/4 Sector II, Salt Lake, Kolkata - 700 091
R (033) 2334 9818, M : 9830138692



**Kolkata
Metropolitan
Development
Authority**

Unnayan Bhavan, Bidhannagar, Kolkata - 700 091

Date : 02.9.2009.

No.496/CE/GAP/KMDA/Misc.-09

From : The Chief Engineer,
GAP Sector, KMDA.

To : M/s. Alom Poly Extrusions Pvt. Ltd.,
7B, Pretoria Street,
Kolkata-700 071.

Sub : Sponsoring the DWC HDPE Pipes in non-pressure application for Drainage & Sewerage Works.

Ref : Your letter dated 10.7.2009 requesting for a pilot project and subsequent visits.

Dear Sirs,

With reference to above and as per your technical brochure and series of subsequent discussions, it has been revealed that the DWC HDPE piping system has the necessary potential to be the viable alternative for conventional R.C. Conduits. In connection with your appeal for trial application, we would be pleased to provide you the opportunity to supply and laying 250mm ID HDPE DWC Pipes for a small pilot scheme covering approximately 275 Mtrs. stretch, provided the same is exclusively a demonstrative consignment free of cost at this juncture for establishing its satisfactory performance.

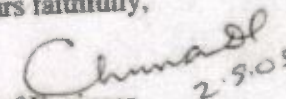
After being satisfied with the performance, we will definitely consider this product in bulk for our regular projects pertaining to Gravity (Non-pressure) Sewerage & Drainage Applications.

We expect that the supply & laying of above mentioned consignment would be completed within 8 (eight) weeks time frame from the date of release of supply order from this end.

Awaiting for your acceptance to this proposal.

Thanking you,

Yours faithfully,


Chief Engineer,
GAP Sector, KMDA. 2.9.09



**Kolkata
Metropolitan
Development
Authority**

SD & SWM Sector
Unnayan Bhavan, Bidhannagar, Kolkata - 700 091

No 158/KMDA/SDF-6/99(IV)

Date: 15.6.2009

To
M/s. Alom Poly Extrusions Pvt. Ltd.,
'Alom House',
7-B, Pretoria Street,
Kolkata - 700 071.

Sub: Double Wall Corrugated (DWC) High Density Polyethylene (HDPE) piping System for non pressure (gravity flow) Drainage & Sewerage application.

Ref: Your letter No. Nil dated 22.5.2009.

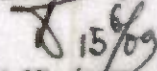
Dear Sirs,

This has reference to your letter under above coverage related to captioned subject. In response to your request we are pleased to express our intentions to recognize above piping system for the cited application for bulk consumptions as alternative to routine systems provided the product is nationally standardized by the BIS. However, your presentations and subsequent technical discussions it appears that the product is a technologically financially viable alternative to prevailing system especially for the inner (core) areas of crowded metropolis.

However, above statement is without any commitment from our end at this material point of time.

Thanking you,

Yours faithfully,


15/6/09

Chief Engineer,
SD & SWM Sector, KMDA



Government Credentials					
Sl. No.	GOVT CLIENTS	PARTICULARS OF WORK	SALIENT FEATURES	DOCUMENTS REFERENCE	REMARKS
1	CPHEEO, Ministry of Urban Development	Advisory Note: "Recent Trends in Technologies in Sewerage System" and approval of DWC HDPE Pipes	Approval of DWC HDPE pipes for use in Sewerage and Drainage Projects by CPHEEO, MoUD	D.O. No.: Q.16011/2007-CPHEEO, dated: 15th March 2012	
2	The Kolkata Municipal Corporation (KMC)	Conversion of open kancha nikasi to under ground pipe sewer by laying DWC HDPE Pipe at Belvedere Road in ward no-74	Supply & Installation of 400 MM ID Alcorr DWC HDPE Pipes.	1. Kolkata Municipal Corporation- Tender Z.EE Br-K/ 116/ 2011-12 dtd. 20.10.2011	Project Completed in Feb 2012
3	Kolkata Environmental Improvement Project (KEIP)	Construction of Miscellaneous Civil Works (Contract Package No. KEIP/NCB/SD35A/2010-11) with DWC HDPE Pipes for rider sewer along Parnasree Pally Road.	Supply & installation of 250 MM & 400 MM ID Alcorr DWC HDPE Pipes.	KEIP/ 2008068/ 43826 Dtd. 01.08.2011.	Supply and Installation complete in May 2012
4	West Bengal State Rural Development Agency (P & RD Department)	DWC HDPE Pipes in Pipe Culvert/ Cross Drainage Application in Rural Roads of West Bengal.	Supply of 1000 mm dia DWC HDPE Pipe as pilot scheme.	1. No. 384- WBSRDA/ 2E-8/11 dtd. 24.05.2011.	
5	Kolkata Metropolitan Development Authority (KMDA)	Development of Sewerage Network and Waste Water Treatment facility for Kalyani Municipal Town under National Ganga River Basin Authority (NGRBA)	Supply & laying of DWC HDPE Pipes of sizes varying from 150 mm to 300 mm. (Approx. 62 Kilometers)	1. Tender Notice No.03/ SE(M)/ GAP/KMDA OF 2011-2012 dtd. 08.07.2011. 2. Technical Specification of HDPE Pipe (Page No. D-17)	The relevant pages are relating to the supply & installation of DWC HDPE piping system are enclosed
6	Kolkata Metropolitan Development Authority (KMDA)	Development of Sewerage Network and Waste Water Treatment facility for Bhatpara Municipal Town under National Ganga River Basin Authority (NGRBA)	Supply & laying of DWC HDPE Pipes of sizes varying from 150 mm to 300 mm. (Approx. 93 Kilometers)	1. Tender Notice No.03/ SE(M)/ GAP/KMDA OF 2011-2012 dtd. 08.07.2011.	
7	Kolkata Metropolitan Development Authority (KMDA)	Development of Sewerage Network and Waste Water Treatment facility for Gayeshpur Municipal Town under National Ganga River Basin Authority (NGRBA)	Supply & laying of DWC HDPE Pipes of sizes varying from 150 mm to 300 mm. (Approx. 47 Kilometers)	1. Tender Notice No. SE GAP/ T-44 OF 2011-2012 DTD. 18.07.2011.	
8	Ujjain Sewerage System Plan	Sewerage System for Ujjain Municipal Corporation	Supply and Laying of DWC HDPE Pipes of sizes 170 to 1600mm dia using DWC HDPE pipes (Approx Rs. 171 crores)	DPR No. Q-12045/15/1/NURM/2011-CPHEEO	Approval given by CPHEEO
9	Public Works Department, Govt. of Maharashtra	Culvert Application	7.5 Meters of 800mm Pipe for Culvert Project	PO No.: EC/ALOM/PO/2011-2012 dt. 06.03.2012	
10	Gujarat Water Supply and Sewerage board	Incorporation in Schedule of Rates		Material schedule of rates of Gujarat, pg 36	
11	Department of Urban Administration and Development, Madhya Pradesh	Incorporation in Schedule of Rates		Integrated Standard Schedule of Rates (Vol 1), pg 140	
12	Korba Municipal Corporation	Incorporation in tender document	Supply of 135-400mm DWC HDPE pipes as well as PE Rotomoulded manholes	Tender No. 2224, ref. No.5854/13Finance/Consy/2011/Korba & Tender No. 2267, ref. F.No.6595/Const/13thFinance/Korba	
13	Border Roads Organization	Use in side drainage	30 m of pipes for trial project in road - side drainage application	Enq No. 30903/ENQ/763 TF/ 40/ ESES	Supply completed in July 2012
13	Gujarat Water Supply and Sewerage board	Incorporation in tender document for Porbandar Underground Drainage Project	Supply of 200mm - 955mm OD DWC HDPE pipes for their Porbandar project, for approx 400 KM of total pipeline	Porbandar Underground Drainage Project	

Release Note / Packing list of Inspected Materials

Date: 27.11.2012

1. Name of the Client : Raipur Development Authority, Raipur.
2. PROJECT NAME : Development Works of Kamal Vihar- TDS 04, Raipur.
3. Purchase Order Number : E8403PO2000019, E8404PO2000017, E8405PO2000017
4. Manufacturer & Supplier Details : M/s. Alom Poly Extrusions Ltd,
Banganagar, Falta, South 24 PGS dist,
(West Bengal)
PIN- 743513.
5. Date of Inspection : Dt. 27.11.2012
6. Material Inspected : DWC HDPE Pipes as per EN 13476-3 & QAP
APEL/QA/2012/Alcorr/001 dated 20.03.2012 duly approved.
7. Name of inspecting Agency : WAPCOS LTD., L&T LTD. & RDA - RAIPUR.
8. Details of Inspection

Sr.No	Description of Material	Batch Number	Qty Offered in Rmt.	Qty Cleared in Rmt.	Remarks
1	DWC HDPE Pipe 160mm OD X 135mm ID	01121105 - 07.	5940	5940	Accepted
2	DWC HDPE Pipe 120mm OD X 100 mm ID	01121122 - 27	30000	30000	Accepted

Note:

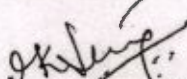
- The Following Tests / Review of all documents are conducted/ Verified as per the Annexure for the above materials:
a) Visual & Dimensional, b) Ring Stiffness test, c) Impact Resistance, d) Ring Flexibility) Resistance to heating Oven Test, and Water tightness test as per the EN 13476 - 3 and materials are conforming to the approved QAP and specifications (witness test report attached).
- Review of Factory Test Certificates, Raw material test certificate, Calibration certificate & Factory documents - (attached)
- Marking on the Pipes are ALOM ALCORR DWC PE PIPE DN OD - MM SN 8 MADE IN INDIA - Batch no - ****

Conclusion: Dispatch clearance is issued now for the above inspected materials.

For Alom Poly Extrusions Ltd


Sukanta Kumar Panda
Manager QA



For L&T LTD


Mr. Md. K Samiuddin
(Support Engineer)

For WAPCOS LTD


Mr. S. K. Chakrabarty
(Support Engineer)


For RDA, Raipur


Mr. A.K. Gupta
Asst Engineer
RDA, Raipur.

Joint Inspection Test Report

Name & Address of Purchaser Larsen & Turbo Limited, PB no 979, Mount-Poonamallee Road, Manapakkam, Chennai-600089	Date Of Inspection	27.11.2012
	P.O. No & date	E8403PO2000019, E8404PO2000017, E8405PO2000017 Dated 17.11.2012
	Batch No:	01121122 - 27
	Specification:	EN 13476-3: 2007
	Description Of The Sample Tested:	Black 120 mm OD / 100 mm ID DWC PIPE Colour- Black /Black
	Inspected Quantity	30000 mtr
	Sample Drawn	As Per QAP (32 + 4)
Test Results:	Accepted	

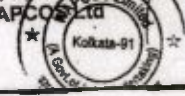
Sr. No.	Clause No.	Requirement As Per Specification	Unit	Specified Value	Obtained Value	Remarks
01	6.0	Appearance and colour	-	No holes, punctures, ruptures, overheating, Colour- Black	No holes, breaks & other defects observed Colour Black	Satisfactory
02	7.2.3 Table 5 & 6, APEL	Dimensions Of Duct Mean Outside Diameter, (min) Mean Inside Diameter, (min)	MM	121.10 95.00	121.10 - 121.40 99.80 - 100.50	Satisfactory
03	7.2.2	Length of Pipe	Mtr	6.00M ± 0.010	6.010 - 6.030	Satisfactory
04	7.2.5 Table 5, APEL	Wall thickness of Inside layer (water way wall thickness)[e ₄] min Wall thickness of the inside layer under a hollow section (e ₅) min	MM	1.00 1.00	1.40 - 1.60 1.02 - 1.10	Satisfactory
05	7.2.4 Table 5	Cuff Dimensions Cuff ID (Min) Cuff Length (Min)	MM	NA	NA	Satisfactory
06	9.0 Table 14	Ring Stiffness	KN/m ²	≥ 8.00	11.63 -12.75	Satisfactory
07	9.0 Table 14	Ring Flexibility	-	No crack in any part of the wall structure	No crack or break observed	Satisfactory
08	9.0 Table 14	Impact Resistance (Round the clock)	%	TIR ≤ 10.00	0.00	Satisfactory
09	8.3.1 Table 12	Resistance to heating - Oven Test	-	The pipe shall show no delimitations, cracks, or bubbles	Found Satisfactory	Satisfactory
10	Table 17	Water Tightness Test	-	No Leakage	No Leakage	Satisfactory

Manufacture
M/s Alom

Mr. A. K. Gupta
RDA, Raipur

Mr. Md. R. Sandhu
L & T Ltd

Mr. S. K. Chattopadhyay
WAPCOS Ltd



Joint Inspection Test Report

Name & Address of Purchaser Larsen & Turbo Limited, PB no 979, Mount- Poonamallee Road, Manapakkam, Chennai-600089	Date Of Inspection	27.11.2012
	P.O. No & date	E8403PO2000019, E8404PO2000017, E8405PO2000017 Dated 17/11.2012
	Batch No:	01121105 - 07
	Specification:	EN 13476-3: 2007
	Description Of The Sample Tested:	Black 160 mm OD / 135 mm ID DWC PIPE Colour- Black /Black
	Inspected Quantity	5940 mtrs
	Sample Drawn	As Per QAP (13 + 2)
Test Results:	Accepted	

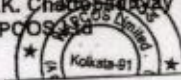
Sr. No.	Clause No.	Requirement As Per Specification	Unit	Specified Value	Obtained Value	Remarks
01	6.0	Appearance and colour	-	No holes, punctures, ruptures, overheating, Colour- Black	No holes, breaks & other defects observed Colour Black	Satisfactory
02	7.2.3 Table 5 & 6, APEL	Dimensions Of Duct Mean Outside Diameter, (min) Mean Inside Diameter, (min)	MM	161.20 133.20	161.40 - 161.80 133.20 - 133.40	Satisfactory
03	7.2.2	Length of Pipe	Mtr	6.00M ± 0.010	6.010 - 6.030	Satisfactory
04	7.2.5 Table 5, APEL	Wall thickness of inside layer (water way wall thickness)(e ₁) min Wall thickness of the inside layer under a hollow section (e ₂) min	MM	1.20 1.00	1.48 - 1.68 1.04 - 1.20	Satisfactory
05	7.2.4 Table 5	Cuff Dimensions Cuff ID (Min) Cuff Length (Min)	MM	NA	NA	Satisfactory
06	9.0 Table 14	Ring Stiffness	KN/m ²	≥ 8.00	10.65 - 11.13	Satisfactory
07	9.0 Table 14	Ring Flexibility	-	No crack in any part of the wall structure	No crack or break observed	Satisfactory
08	9.0 Table 14	Impact Resistance (Round the clock)	%	TIR ≤ 10.00	0.00	Satisfactory
09	8.3.1 Table 12	Resistance to heating - Oven Test	-	The pipe shall show no delimitations, cracks, or bubbles	Found Satisfactory	Satisfactory
10	Table 17	Water Tightness Test	-	No Leakage	No Leakage	Satisfactory

Manufacture
M/s Alom

Mr. A. K. Gupta
RDA, Raipur

Mr. Md. K. Sanjuddin
L & T Ltd

Mr. S.K. Chatterjee
WAPOOS



For BIS Use Only

Doc No. CED 50 (7795)

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

(Not to be reproduced without the permission of BIS or used as standard)

**STRUCTURED - WALL PLASTICS PIPING SYSTEMS FOR NON- PRESSURE
DRAINAGE AND SEWERAGE – SPECIFICATION**

PART 2: PIPES AND FITTINGS WITH NON-SMOOTH EXTERNAL SURFACE, TYPE B
ICS 23.040.20;23.040.45;91.140.80;93.030

Plastic Piping Systems Sectional
Committee, CED 50

Last Date of Comments is
12 April 2012s

FOREWORD

(Formal clauses will be added later)

The Standard on structured wall plastic piping systems for non pressure underground drainage and sewerage has been published in following two parts:

- Part 1: Pipes and fittings with smooth external surface, Type A
- Part 2: Pipes and fittings with non smooth external surface, Type B

In the formulation of this standard considerable assistance has been derived from ISO 21138: Part 1 and Part 3: 2007 Plastic piping systems for non pressure underground drainage and sewerage - structured wall piping systems of unplasticized polyvinyl chloride (PVC-U), polypropylene (PP) and polyethylene (PE): Part 1 Material Specifications and performance criteria for pipes, fittings and system and Part 3 Pipe and Fittings with non-smooth external surface, Type B. However only corrugated wall construction pipes and fittings of polyethylene and polypropylene have been included as other type of pipes are not being manufactured in India at present. The test for low temperature installation performance - Impact resistance (staircase Method) at -10° C has not been included due to the Indian climatic conditions. Provisions for adding calcium carbonate (CaCO_3) or talc to the virgin PE or PP material has not been considered as this practice is not prevailing in India. Sizes being widely used in India have also been included.

General guidance regarding laying and jointing including storage and handling for polyethylene pipes has been provided in IS 7634 (Part 2):1975 Code of practice for plastic pipe work for potable water supplies: Part 2 Laying and jointing of polyethylene pipes. However, some additional requirements for these pipes have been given at Annex E. There is no Indian Standard for the laying and jointing of PP pipes at present. PE and PP pipes belong to the same polyolefin's family as such IS 7634(Part 2) 1975 may be used for PP pipes also. However, some additional requirements for Transportation, Handling, Installation and Jointing of these pipes have been given at Annex E .

Piping systems conforming to this part of standard are resistant to corrosion by water with a wide range of PH values such as Domestic waste water, Surface water and Ground water. If piping system conforming to this part are to be used for chemically contaminated waste waters, such as industrial discharges, chemical and temperature resistance must be taken in to account. Guidance on the chemical resistance of PVC-U and PE materials is given in IS/ISO/TR 10358 (under preparation).

Guidelines on Structural design of thermoplastics pipelines have been provided in Annex F of the standard for information.

For the purpose of deciding whether a particular requirement of this standard is complied with the final value; observed or calculated, expressing the result of a test or analysis , shall be rounded off in accordance with IS 2 :1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

(Not to be reproduced without the permission of BIS or used as standard)

**STRUCTURED - WALL PLASTICS PIPING SYSTEMS FOR NON-PRESSURE
DRAINAGE AND SEWERAGE – SPECIFICATION**

PART 2: PIPES AND FITTINGS WITH NON-SMOOTH EXTERNAL SURFACE, TYPE B
ICS 23.040.20;23.040.45;91.140.80;93.030

1 SCOPE

This Standard specifies requirements for pipes and fittings with non-smooth external and smooth internal surface based on PE or PP structured wall piping system for non pressure underground drainage and sewerage.

It is applicable to PE or PP structured wall pipes and fittings with or without Integral sockets and with elastomeric sealing ring joints as well as welded or fused joints. This standard covers the pipes and fittings sizes from 75mm to 1200 mm nominal inside diameter, pipe construction, nominal ring stiffness, test methods and test parameters.

Notes –

1. These pipes, fittings and the system can be used for highway drainage and surface water.
2. Other thermoplastic materials can be added via an addendum.

2 REFERENCES

The following standards contain provisions which, through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS No</i>	<i>Title</i>
4905:1968	Methods for random sampling
5382:1985	Specification for rubber sealing rings for gas mains, water mains and sewers (first revision)
2530: 1963	Methods of test for polyethylene molding materials and Polyethylene compounds.
7328:1992	High Density polyethylene materials for molding and extrusion – specification (first revision)
14885: 2001	Polyethylene Pipes for the Supply of Gaseous Fuels - Specification

Figure F.1 Design graph (long term pipe deflection (maximum values))

Table F.2 - Validity of the design graph

Pipe System	Fulfilling requirements in this IS code..., Parts 1 & 2
Installation depth	0.8 m to 6.0 m
Traffic loading	Included
Installation quality	<p>“Well” Compaction (I) The embedment soil of a granular type is placed carefully in the haunching zone and compacted, after which the soil is placed in shifts of maximum 30 cm, after which each layer is compacted carefully. The pipe shall at least be covered by a layer of 15 cm. The trench is further filled with soil of any type and compacted. Typical values for the proctor density are above 94%.</p> <p>“Moderate” Compaction (II) The embedment soil of a granular type is placed in shifts of maximum 50 cm, after which each layer is compacted carefully. The pipe shall at least be covered by a layer of 15 cm. The trench is further filled with soil of any type and compacted. Typical values for the proctor density are in the range of 87 % to 94%.</p> <p>Sheeting / Sheet piling given below the spring line of Sewer in accordance with the recommendations in Manual on Sewerage and Sewage Treatment, CPHEEO, MoUD, Gol. If, however, the sheet piles are removed after compaction one should realise that the “well” or “moderate” compaction level will be reduced to the “non”-compaction level (III).</p>
Installation categories “well”, “moderate” (and “non”) should reflect the workmanship on which the designer can rely.	

F.3 Structural design based on design calculations

When structural design is required, e.g. in cases where no other information exists, then a method as per established practices may be used. If input values for the pipes are required, the values given in Table F.1 are recommended.

It is recommended that, for reasons of serviceability, the calculated average deflection values do not exceed the values given in Table F.3

Table F.3

Recommended design deflection limits		
Stiffness class SN	Average initial deflection	Average long term deflection
SN 2	5%	8%
SN 4,8,16	8%	10%

F.4 Selection of fitting stiffness or class

Table F.4

Pipe stiffness class	Minimum fitting classes recommended for use with structured-wall thermoplastic Pipes
	As per this IS code
SN 2	SN 2
SN 4	SN 4
SN 8	SN 8
SN 16	SN 16

**DETAILED PROJECT REPORT ON SEWERAGE SCHEME FOR
MUNICIPAL TOWN OF KURSEONG UNDER UIDSSMT**

values for all the pipe segments have been adopted. Then the pipe diameters have been chosen according to the flows. The selection of pipe is as follows,

Flow within the pipe (liters/second)	Diameter of pipe selected (mm)	
	> 0 upto 5	150
> 5 upto 10	225	SW
> 10 upto 20	300	SW
> 20 upto 30	400	CI
> 30	450	CI

All the lateral pipes have been chosen as 150 mm diameter and its length are estimated from the actual condition of the site.

2.6 DESIGN SUMMARY OF SEWERAGE SYSTEM

The sewerage system has been designed by using SEWER, Version 3 (Sewer Network Design Program by The World Bank) and the summary of design out put data are summarized outfall wise below. The detailed design is enclosed as Annexure 4.

OUTFALL	DIAMETER (mm)					TOTAL
	150 (SW)	225 (SW)	300 (SW)	400 (CI)	450 (CI)	
	LENGTH (meter)					
1&2	6198	1260	660	520	280	8918
3	3063	900	1160	300	1900	7323
4	1822	200	--	--	--	2022
5	382	--	--	--	--	382
6	1225	300	160	--	--	1685
E	3390	1660	1810	160	--	7020
TOTAL	16080	4320	3790	980	2180	27350

সূডা

o/c

SUDA

রাজ্য নগর উন্নয়ন সংস্থা

STATE URBAN DEVELOPMENT AGENCY

"ইলগাস ভবন", এইচ-সি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা ৭০০ ১০৬, পশ্চিমবঙ্গ

"ILGUS BHAVAN", H-C Block, Sector - III, Bidhannagar, Kolkata - 700 106, West Bengal

ক্রমিক নং.....SUDA - ২০৭/২০০৭/২২৬

তারিখ...29.01.2010.....

From. Director

To.

The Chairman
Board of Administrators
Kurseong Municipality
Kurseong

Sub: Submission of Utilisation Certificate for the Project Covered under UIDSSMT

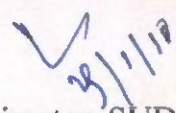
Sir,

Enclosed please find the copy of letter no. 39-1/2007/TCPO/UIDSSMT dt. 15.01.2010 from Chief Planner, Town and Country Planning Organisation Govt. of India which is self explanatory.

We would now request you kindly to send the utilisation certificate in the prescribed format for UIDSSMT for the Kurseong Sewerage Project for the Quarter ending on 31.12.2009.

This may please be treated as extremely urgent.

Yours faithfully


Director, SUDA

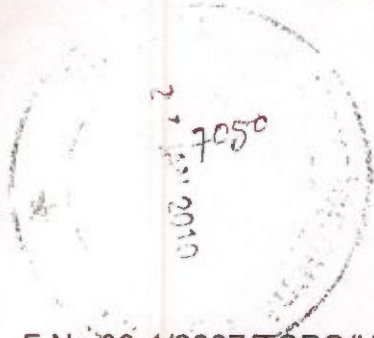
দূরভাষ : ২৩৫৮ ৬৪০৩ / ৫৭৬৭, ফ্যাক্স : ২৩৫৮ ৫৮০০

Tel : 2358 6403/5767, Fax : 2358 5800, E-mail : dirsudawb@yahoo.com

Account Section : 2358 6408

MOST IMMEDIATE

Town and Country Planning Organisation
Government of India
Ministry of Urban Development



E-Block, Vikas Bhawan,
I.P.Estate, New Delhi-2.
Tel.011-23379353,
Fax.011-23379197
uidssmt@yahoo.co.in

F.No.39-1/2007/TCPO/UIDSSMT

15th January, 2010

To

The Director,
State Urban Development Agency (SUDA),
ILGUS Bhavan, H-C Block,
Sec.11, Bidhannagar,
Kolkata - 700091 W.Bengal.

Sub:- Submission of Utilization Certificates for projects covered under UIDSSMT.

Madam/Sir,

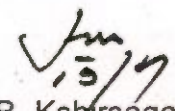
As per UIDSSMT Guidelines para10.2, sub para (v) Utilization Certificate becomes due one year after the release of 1st Installment of ACA for all projects covered under the Scheme. Non submission of UCs within the stipulated time period has also been viewed seriously by the Parliament Standing Committee on Urban Development from time to time. In West Bengal, ACA has been released for 26 projects till 31st December, 2009, out of which 17 UCs are due since 31st March, 2009. So far, 13 UCs have been submitted and 4 UCs valuing Rs 20.85 crore are still pending.

Further 1.5% of total approved project cost was released as incentives for DPR preparation. However the Utilization Certificates for this amount is also awaited.

It is, therefore, requested to kindly expedite the implementation of these 4 projects and submit the UCs at the earliest in the prescribed format alongwith the UCs for the incentives of 1.5% for DPR preparation released against these projects (list enclosed).

This matter may kindly be accorded **top priority**.

Yours faithfully,


(J.B. Kshirsagar)
Chief Planner

Encl : as above.



০৫

SUDA

রাজ্য নগর উন্নয়ন সংস্থা

STATE URBAN DEVELOPMENT AGENCY

“ইলগাস ভবন”, এইচ-সি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা ৭০০ ১০৬, পশ্চিমবঙ্গ

“ILGUS BHAVAN”, H-C Block, Sector - III, Bidhannagar, Kolkata - 700 106, West Bengal

ক্রমিক নং..... SUDA-204/2007/ 1809

তারিখ..... 17.11.09

From: Director,

To: The Chairman,
Board of Administrators,
Kurseong Municipality, Kurseong

Sub: Permission to use the R.C.C. Spun Pipe NP-3 (Revised) instead of 400 mm dia 450 mm dia C.I. pipes for Sewerage Scheme under UIDSSMT in Kurseong Municipality

Ref.: 659/01/M/Engg dated 12th Nov. , 2009

Sir,

With reference to the above this to inform you that the issue relates to major change in the DPR provision and as such you are requested to please forward your proposal through the Chief Engineer, MED.

However, it is mentioned in this context that such change should be supported with necessary technical document to establish that the proposed replacement is the best possible alternative to adjust the ground reality.

Yours faithfully,

✓
Director

SUDA-204/2007/ 1809/1

dt.17.11.09

Copy forwarded along with the copy of the above letter to :

**The Chief Engineer,
Municipal Engineering Directorate,
Govt. of West Bengal**

For information and necessary action

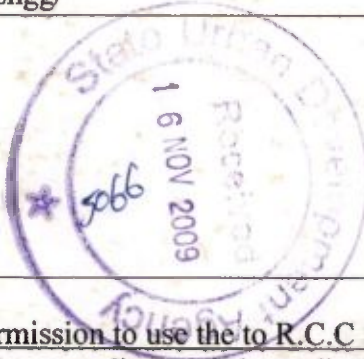
✓
17/11/09
Director

**OFFICE OF THE BOARD OF ADMINISTRATORS
KURSEONG MUNICIPALITY
KURSEONG.**

Memo No: - 65964/M/Engg/

Dated: - 12th Nov 2009.

From
Sri Suden Tshering Bhutia
Chairman
Board of Administrators,
Kurseong Municipality
Kurseong



To
Director
State Urban Development Authority
ILGUS BHAWAN, H.C. Block
Bidhan Nagar
Kolkatta 7000106

Sub: - Permission to use the to R.C.C Spun Pipe NP- 3(Revised) instead of 400mm dia and 450mm dia C.I.Pipes

Ref: - Sewerage Scheme for Kurseong Town under UIDSSMT.

Respected Madam,

I would like to inform that the undersigned has already issued the work order amounting to Rs 5.00(Five) Crore for the construction of Sewerage Treatment Plant under Sewerage Scheme for Kurseong Town under UIDSSMT. The sewerage network drawing is ready and we are preparing the estimate for inviting the tender for the sewerage network. In the meanwhile, it is understood that in some places 400mm dia & 450 mm dia Cast Iron Pipes are to be used as per DPR. The rates of the above-referred dia pipes are not included in the P.W.D SCHEDULES OF RATES and the pipes are not easily available in the market. The rates of D.I. Pipes were also invited, that is too high.

Therefore, please issue the necessary permission to use the 400mm dia and 450mm dia R.C.C.Spun Pipes NP-3(Revised) instead of 400mm dia and 450mm dia Cast Iron Pipe, as the cost will remain within the approved Cost of DPR.

Yours faithfully

Chairman
Board of Administrators
Kurseong Municipality

Dated: 12th Nov. 2009.

Memo No: - 65964/M/Engg/

Copy forwarded for necessary information to:-

- 1) Chief Engineer, Municipal Engineering Dte, Bikash Bhawan, Kolkatta.
- 2) Additional Chief Engineer, M.E.Dte, North Circle, Siliguri
- 3) Superintending Engineer, M.E.Dte, North Circle.
- 4) Executive Engineer, M.E.Dte, Siliguri Division, Pradhan Nagar Siliguri.

Chairman
Board of Administrators
Kurseong Municipality

*Shri Chetaborky
12.11.09
17/11*

draft reply placed

17/11

T. A

SUDA

রাজ্য নগর উন্নয়ন সংস্থা

STATE URBAN DEVELOPMENT AGENCY

“ইলগাস ভবন”, এইচ-সি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা ৭০০ ১০৬, পশ্চিমবঙ্গ

“ILGUS BHAVAN”, H-C Block, Sector - III, Bidhannagar, Kolkata - 700 106, West Bengal

SUDA-198/2007 (Part-I)/ ~~1791~~ 1791

13.11.2009

ক্রমিক নং.....

তারিখ.....

**Sub: Release of funds for implementation of Sewerage components under
UIDSSMT Programme in favour of Kurseong Municipality**

Funds as shown herein is being released in favour of Kurseong Municipality for implementation of Sewerage Scheme under UIDSSMT programme in the town as 1st installment of Central and State Share.


Name of the ULB	Amount (in Rs.)			SBI Draft No. & Date
	Central Share	State Share	Total	
Chairman Kurseong Municipality	2,50,32,000/-	62,58,000/-	3,12,90,000/-	174317 dt. 12.11.2009

[Contd.]



The release of funds subject to the following conditions.

- 1) The funds should be utilised only for the approval components of the project and within ceiling limits of approval cost.
- 2) The execution of the schemes should be strictly as per the procedure laid down in Govt. order No. 323/MA/C-10/3S-23/2007 dated 28.03.2007 of the Department of the Municipal Affairs.
- 3) Monthly report of Physical and Financial progress should be sent to SUDA and MED by the 7th of the following month.
- 4) The amount released herein should be kept in the dedicated Bank Account for UIDSSMT since opened by the ULB.
- 5) A subsidiary Cash Book should be maintained for keeping accounts (deposits and withdrawals) of funds.
- 6) Money receipt in Form 42 may be sent immediately after receipt of the Demand Draft.
- 7) No fund should be utilized for any purpose other than for which the amount is released.


For Director, SUDA

SUDA-198/2007 (Part-I) / 1791 / 1 (8)

13.11.2009

Copy for information to:

1. The Chairman, Kurseong Municipality. He / She is requested to arrange collection of the demand draft from this office. It may kindly be ensured that all money receipts against previous releases by SUDA have been submitted. We may not be able to hand over the draft, if any Money Receipt is wanting.
2. P.S. to Secretary, M.A. Deptt, Govt. of West Bengal.
3. Sri Debasis Mitra, Special Secretary, M.A. Deptt.
4. Chief Engineer, M.E. Directorate.
5. Superintending Engineer, North Circle, M.E.D.
6. Executive Engineer, Siliguri Divn., M.E.D.
7. ✓ Technical Adviser, SUDA.
8. Finance Officer / Cashier.


fw Director, SUDA

T. A



রাজ্য নগর উন্নয়ন সংস্থা

STATE URBAN DEVELOPMENT AGENCY

“ইলগাস ভবন”, এইচ-সি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা ৭০০ ১০৬, পশ্চিমবঙ্গ
 “ILGUS BHAVAN”, H-C Block, Sector - III, Bidhannagar, Kolkata - 700 106, West Bengal

SUDA-198/2007 (Part-I)/ ~~1791~~ 1791

13.11.2009

ক্রমিক নং.....

তারিখ.....

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[Contd.]



-2-

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- 7) No fund should be utilized for any purpose other than for which the amount is released.


For Director, SUDA

SUDA-198/2007 (Part-I)/ 1791 /1(8)

13.11.2009

Copy for information to:

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2. P.S. to Secretary, M.A. Deptt, Govt. of West Bengal.
3. Sri Debasis Mitra, Special Secretary, M.A. Deptt.
4. Chief Engineer, M.E. Directorate.
5. Superintending Engineer, North Circle, M.E.D.
6. Executive Engineer, Siliguri Divn.,M.E.D.
7. Technical Adviser, SUDA.
8. Finance Officer / Cashier.


for Director, SUDA

Estd: 1879

Ph: 2344286/2344527
Fax :- 03542344286

**OFFICE OF THE COUNCILLORS OF
KURSEONG MUNICIPALITY
KURSEONG.**

Sh. Chandra
Sell. Anon
3/11

Memo No: - 630 /M/Engg/09

Dated the 2nd November 2009.

From
Sri Suden Tshering Bhutia
Chairman
Board of Administrators
Kurseong Municipality,
Kurseong.

To
Director,
State Urban Development Authority
ILGUS BHAWAN,
H.C.Block, Sector III.
Bidhan Nagar, Kolkatta
Kolkatta - 700106.

Nov
4075

Sub:- Sewerage Work under Kurseong Municipality

Ref:- Memo No 474/11/M/Engg/STP/KM Dated 01st September 2009.

Respected Madam,

Enclosed herewith please find the copy of the work order issued to M/s Unitech Water Technologies Pvt Limited, Kailash Bhawan 32/1, Gariahat Road (South), Kolkatta -700031 which speaks itself. Therefore, I request your honour to be kind enough to release the First Installment of the grant to enable this office to take up the project on time.

Thanking you in anticipation.

Yours faithfully

Encl: - Copy of the work order
as stated above.

[Signature]
Chairman
Kurseong Municipality

**OFFICE OF THE KURSEONG MUNICIPALITY
KURSEONG**

Memo No: - 474 /M/Engg/STP/KM.

Dated: - 01st Sept 2009.

From
Chairman
Kurseong Municipality
Kurseong

To
M/s Unitech Water Technologies Pvt Ltd
Kailash Bhawan
32/1, Garihat Road(South) 2nd Floor.
Kolkatta - 700031

Sub: - Work Order for the work:- " Planning, Commissioning, operation & Maintenance (one year) of different Sewage Treatment Plants on Turnkey Basis within Kurseong Municipality.

Ref: - N.I.T. No 1/STP/KM/UIDSSMT/ 2008 - 09 Dated 26/11/2008.

Sir,

I on behalf of Board of Administrators, Kurseong Municipality, have the pleasure to inform you that the rate offered by you Rs 500,00000.00P (Rs Five Crore) against the above-referred N.I.T has been accepted by the undersigned.

You will abide by all the terms and conditions as laid down in Form 2911(ii) to execute a deed of contract in form 2911(ii) to be held in the office on payment of as usual charges within 7(seven) days from the days hereof. The work should be taken up in consultation with the Executive Engineer, Municipal Engineering Dte, Siliguri Division and should be completed within 365(three hundred sixty five) days from the date of issue of this order failing which penalty clauses 2 & 3 as laid down in form 2911(ii) will be applied.

You will have to produce contract labour license under contract labour(R & A) Act 1970 immediately.

The name and specimen signature of your representative who may be present at the work site on your behalf should be furnished invariably in receipt of work order.

Further, you are requested to submit work programme with the date of completion of the work to the undersigned prior to start of work.

It should be clearly understood that the timely completion of the work is the essence of agreement made with you.

This is for your kind information and immediate compliance.

Thanking You.


Chairman


Board of Administrators.
Kurseong Municipality

Memo No: - 474/11 /M/Engg/STP/KM.

Dated: - 01st Sept 2009.

Copy forwarded for necessary information to:-

- 1) Chief Engineer, Municipal Engineering Dte. Bikash Bhawan, Salt Lake, Kolkatta 700091.
- 2) Director, State Urban Development Authority, Salt Lake Kolkatta.
- 3) Additional Chief Engineer, North Circle, M.E.Dte, Siliguri. Dist Darjeeling.
- 4) Superintending Engineer, M.E.Dte. North Circle, Siliguri. Dist Darjeeling.
- 5) Executive Engineer, Siliguri Division, M.E.Dte. Siliguri, Dist Darjeeling.
- 6) Joint Director, Director of Local Bodies & Member, Board of Administrators, Kurseong Municipality.
- 7) Executive Officer, Kurseong Municipality. Kurseong.
- 8) Sri Krishna Limbu, Member, Board of Administrators, Kurseong Municipality.
- 9) Sri Balaram Chettri, Member, Board of Administrators, Kurseong Municipality.
- 10) Income Tax Office, Darjeeling.
- 11) Commercial Tax Officer, Darjeeling.
- 12) Asst Labour Commissioner, Darjeeling.
- 13) Accountant, Kurseong Municipality
- 14) Cashier, Kurseong Municipality.


Chairman

Board of Administrators.
Kurseong Municipality

**FUND RECEIVED FOR KURSEONG MUNICIPALITY
UNDER UIDSSMT PROGRAMME**

(Rs. in Lakh)

CENTRAL SHARE	STATE SHARE	TOTAL	DATE OF RECEIPT
500.64		500.64000	28/03/2008
	125.15900	125.15900	28/03/2008
500.64000	125.15900	625.79900	TOTAL

UIDSSMT QUARTERLY PROGRESS REPORT FOR
QUARTER ENDING 30.09.2009
(TO BE FILLED BY SLNA)

A. General Details		
1.	Total number of towns received ACA	26
2.	Total number of projects received ACA	26
3.	a) Total amount of ACA received (by SLNA)	Rs. 20430.50 lakhs
	b) Total amount of ACA released to ULBs	Rs. 15093.57 lakhs
4.	a) Total amount of State Share received (by SLNA)	Rs. 3944.03 lakhs
	b) Total amount of State Share released to ULBs	Rs. 2677.76 lakhs
5.	Total Fund utilised (Central + State Share) and percentage (30.09.09) *	Rs. 12429.02 lakhs * (51%)
6.	State Budget allocation during the current year (2009-10)	i) Central Share: Rs. 258.00 Cr. ii) State Share : Rs. 75.00 Cr Total : Rs.333.00 Cr. Budget provision under the two component viz. UIDSSMT & IHSDP have been amalgamated as shown above.

B. INITIATIVES TAKEN FOR CAPACITY BUILDING BY SLNA

1. SLNA has supported provision of additional technical manpower in the implementing ULBs
2. Review Meeting at regular intervals with concerned ULBs and Municipal Engineering Directorate (MED) being organised at SUDA and also in some ULBs
3. Processing engagement of Project Monitoring Unit (PMU) & Project Implementation Unit (PIU)
4. Field level guidance during inspection of works, preparation of reports and returns and also for Reform Implementation.

C. ISSUES IN PROJECT MONITORING AND INSPECTIONS

1.	Status of project monitoring unit (PMU) and project implementation Unit (PIU)	Under Process
2.	Inspection carried out by SLNA/ GoI Officers	Periodical
3.	Issues reported during inspections	<ul style="list-style-type: none"> ▪ Optimization of Tender packages through work distribution in suitable manner. ▪ Matter related to preparation and submission of QPR and U.C. ▪ Preparation of component-wise programme details for monitoring and evaluation of performance at the end of each month to minimise time overrun. ▪ Maintaining conformity with the tender specification and some other technical suggestions felt necessary after field visit.
	Course corrections done	Yes
	Suggestions, if any, for project monitoring and MIS	Providing Project Implementation Unit at zonal level clustering a few ULBs implementing UIDSSMT work.

Report received till date and being updated progressively.

**UIDSSMT QUARTERLY PROGRESS REPORT FOR QUARTER ENDING 30.09.2009
(TO BE FILLED BY ULBS)**

A. GENERAL DETAILS		
1.	Name of ULB	Kurseong
2.	Name of Project	Sewerage Scheme of Kurseong Town
3.	Project Cost Approved by SLSC	Rs. 1251.59 lakhs
4.	Date of SLSC	29.11.2007
5.	Name of Implementing Agency	Kurseong Municipality with the Technical Assistant from MED
6.	Date of Signing of MoA	28.06.2006
7.	Date of Release of ACA 1st Installment	Nil
8.	Amount of ACA Released including incentives, if any	Nil
9.	State Share	Nil
10.	Date of Release of State Share	Nil
11.	ULB Share (along with details of source if not from own)	Nil
12.	Date of Administrative and Financial sanction from competent authority	26.03.2008

B. MONITORING OF PHYSICAL PROGRESS (DETAILS ON ITEMS FROM B TO G FOR EACH PROJECT ON SEPARATE SHEET)

1.	Date of Tendering Main package	Sewage Treatment Plant	First Call 22.07.08 Second Call 26.11.08
2.	Date of Work Order issued	Letter of acceptance issued on 22.06.09	
3.	Duration of project as per DPR	2 years	
4.	Date of start of project	26.03.2008	
5.	Date of completion as per DPR	27.03.2010	
6.	No. of months behind schedule	12 months (approx.)	
7.	Revised date of completion	31.03.2011	
8.	Implementing Agency	Kurseong Municipality with the Technical Assistant from MED	
9.	Expected population benefited	40,173	
10.	Approximate Area Benefited	5 Sq.m.	

Sl. No.	Item of Works	Cost Approved	Quantity Approved	Details of Works Done	Achievement (In %age)	Target Date as per DPR	Remarks/ Reasons of Delay
1	Supply of Pipe	20491755.00	27350 mtr.	Tendering stage		27.03.2011	
2	Laying of Pipe	40591880.51					
3	Construction of Manhole	11504473.73	995 nos.				
4	Road restoration - WMB	2375139.23	3491 sq.m.				
5	Road restoration - Concrete	1006448.67	1663 sq.m.				
6	Sewage Treatment Plant	44500000.00	6 nos.	Tender accepted			
7	Utility Service	1043100.00	Shifting LP and water supply line				
		121512797.14					

C. PHYSICAL ACTIVITIES PLANNED FOR NEXT QUARTER

Sl. No.	Item of Work	Plan	Date of Completion
1	Supply of Pipe	Tender to be finalised	31.03.2010
2	Laying of Pipe	Tender to be finalised	31.12.2010
3	Construction of Manhole		31.12.2010
4	Sewage Treatment Plant	Commencement of work	31.03.2011

XMT REPORT

Oct. 21 2009 05:39PM

NO.	OTHER FACSIMILE	START TIME	USAGE TIME	MODE	PAGES	RESULT
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OFFICE OF THE COUNCILLORS OF
KURSEONG MUNICIPALITY
KURSEONG.

Shi Chakrabarty
Tech. Advisor
30/9

Memo No

264/M/699/09

Dated the

22nd June 109

From

Sri Krishna Limbu
Chairman
Kurseong Municipality,
Kurseong.

To

Unitech Water Technologies Pvt Ltd
32/1, Kailash Bhawan,
Garihath Road
Kolkatta.



Sub: - Acceptance of rate quoted for the work "Planning, Commissioning, Operation & Maintenance (one year) of different capacity Sewage Treatment Plants on Turnkey Basis.

Ref: - NIT No 1/STP/KM/UIDSSMT/2008 - 09 Dated 26/11/2008.

This is to inform you that rate quoted by you amounting to Rs 5,00,00000.00P (Rs Five Crore) only against this office NIT No 1/STP/KM/UIDSSMT/2008 - 09 Dated 26/11/2008 for the above-mentioned work has been accepted by the undersigned. You are therefore requested to make formal agreement with the undersigned after purchasing 3(three) copies of formal quotation paper from this office on payment of Rs. 5000/- for each within 7(seven) days from the date of receipt of the letter.

Sd.
Chairman,

Kurseong Municipality.

Memo No

264/06/M/699/09

Dated the

22nd June 109

Copy forwarded for necessary information to:-

- 1) Chief Engineer, Municipal Engineering Dte, Bikash Bhawan, Salt Lake, Kolkatta.
- 2) Director, State Urban Development Authority.
- 3) Additional Chief Engineer, M.E.Dte, North Circle.Siliguri. Dist Darjeeling.
- 4) Superintending Engineer, M.E. Dte, North Circle.Siliguri. Dist Darjeeling.
- 5) Executive Engineer, M.E. Dte, Siliguri Division.Siliguri. Dist Darjeeling.
- 6) Asst Engineer, Darjeeling Division, M.E.Dte.
- 7) Cashier, Kurseong Municipality.

Khi
Chairman,

Kurseong Municipality.



রাজ্য নগর উন্নয়ন সংস্থা

STATE URBAN DEVELOPMENT AGENCY

“ইলগাস ভবন”, এইচ-সি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা ৭০০ ১০৬, পশ্চিমবঙ্গ

“ILGUS BHAVAN”, H-C Block, Sector - III, Bidhannagar, Kolkata - 700 106, West Bengal

ক্রমিক নং SUDA- 72/2009/

তারিখ 03/4/09

From: Director, SUDA

To: The Chief Engineer,
Municipal Engineering Directorate,
Govt. of West Bengal

Sub: Release of consultancy fees for preparation of DPR:

1. Drainage Scheme of Balurghat Municipal Towns
2. Sewerage Scheme of Kurseong Municipal Town
3. Sewerage Scheme of Darjeeling Municipal Town

- under UIDSSMT

Sir,

In connection with the above, we are enclosing Xerox copies of the letters of C-SEC dated 14.03.09, 20.03.09 and 23.03.09 for your comments regarding release of consultancy fees as requested by the Consultant. It may be noted that earlier vide our letter No. 204/2008/529 dated 17.07.8, opinion of Chief Engineer, MED was sought for but no action could be taken at this end in absence of recommendation of MED.

An early action is requested.

Encl: As stated

Yours faithfully,

Director, SUDA

দূরভাষ : ২৩৫৮ ৬৪০৩ / ৫৭৬৭, ফ্যাক্স : ২৩৫৮ ৫৮০০

Tel : 2358 6403/5767, Fax : 2358 5800, E-mail : dirsudawb@yahoo.com

Account Section : 2358 6408

Estd: 1879

Ph: 2344286/2344527
Fax :- 03542344286

**OFFICE OF THE COUNCILLORS OF
KURSEONG MUNICIPALITY
KURSEONG.**

Memo No 1229/M/Engg/09.

Dated the 6th Feb '09.

To
Sri Ashok Narayan Bhattacharya
Hon'ble Minister –in-Charge
Municipal Affairs and Urban Development Department.
Government of West Bengal
Writers Building
Kolkatta.

Sub: - Progress Report of schemes under Kurseong Municipality.

Respected Sir,

I on behalf of the Board of Councillor of Kurseong Municipality would like to submit the progress report of the various schemes as mentioned below:-

UIDSSMT:- Under this programme a sewerage scheme amounting to Rs 12.58 Crore has been sanctioned and as per the suggestion made by your honour in the meeting held on 4/7/2008 at circuit house , tender was invited for the construction of 6(six) Nos Sewage treatment Plant under UIDSSMT scheme for Kurseong Town vide tender N.I.T No:- 001/UIDSSMT/KM/2008-09, memo no 372/M/Engg/08 Dated 21st July 2008 but only one application was received from Unitech Water Technologies Pvt Ltd of Kolkatta and no action was taken from our end thereat. Further Retender was invited vide N.I.T No 1/STP/KM/UIDSSMT/2008 -09 Dated 26th Nov 2008. This time also only one application was received from Unitech Water Technologies Pvt Ltd of Kolkatta. All the papers of the agency are valid and in order and the agency has proper credentials for the

work as per the note of the Executive Engineer, Municipal Engineering Dte, and Siliguri Division. An emergency meeting of the Board of Councillor was held on 26/12/2008 to discuss this matter and after prolonged discussion it was unanimously decided to issue the Tender Paper to the single applicant, (Unitech Water Technologies Pvt Ltd.Kolkatta) subsequently the same was issued. The applicant has submitted the Sealed Tender, which has not been opened till date. Accordingly report was submitted regarding this matter to the Municipal Engineering Dte for the valuable suggestions.

I.H.S.D.P:- Under this programme, Rs 11.98 Crore has been sanctioned ,out of which 565 Nos of Dwelling units are to be constructed amounting to Rs 6.35 Crore and remaining amount i.e. Rs 5.63 Crore is for the physical and social infrastructure development in the slum area. In this regard tender has already been processed for the construction of the 565 dwelling units and the work order is yet to be issued.

KUSP Roll out Programme:- After the completion of Stage I,II and III for the DDP preparation we are on 3rd step of stage IV i.e.3rd Party internal appraisal of DDP. is in progress.

Community based Health Schemes: - There are 4(Four) Sub – Centers under Kurseong Municipality, consisting of 20(Twenty) Health Workers and 4 (Four) First Tier Supervisors (FTS)

Each Sub-Center has 5 health workers and 1(One) First Tier Supervisor (FTS) with one Medical officer and Health Assistant assigned duty on rotation.

Yet the Health officer has not been appointed and is under process. Other including one Sanitary Inspector, Computer Assistant, Accounts Assistant and Multipurpose Clerk cum Store Keeper has been appointed and working since July 2007.

As to your knowledge, centre opens at 12.00 Noon to 4.00 P.M. every day excluding Sunday.

Honorable health workers visits and collects the field reports twice a month i.e. on interval of 15 (fifteen) days and submits their reports on 5th of every month. Besides these Treatment Register, Blood Pressure Register and Growth Monitoring registers are also being maintained.

S J S R Y: - Report attached for ready reference. Annexure -A

New Schemes of I.L.C.S:- Data collection and taking photographs of the beneficiaries are under process.

Thanking You.


Chairman

Kurseong Municipality.

**Minutes of the 9th Meeting of the Technical Committee, SUDA held on 24.02.2009
on UIDSSMT Programme**

Members Present:

1. Sri P. K. Pradhan, Principal Secretary, M.A. Deptt.....Chairman
2. Sri N. Banerjee, Chief Engineer, M.E.DirectorateMember
3. Sri S.K. Bhattacharyya, Financial Adviser, SUDA.....Member
4. Sri S.K.Mukherjee, Technical Adviser, SUDA..... Member
5. Sri B.Chakraborti, Technical Adviser, SUDA.....Member
6. Smt. C. Sircar, Director, SUDAMember Convenor

Principal Secretary, M.A. Department was on the Chair.

Item 1:

Proposal of acceptance of the lowest tendered rates for construction 3 nos. Clear Water Reservoirs (200 m³-2 no. and 300 m³- 1 no.) within Arambag Municipality under UIDSSMT

1. It was placed on record that tendering formalities was done on the basis of increased capacity of CWR for all three zones contrary to the provision of DPR. In view of the facts that works of other components of UIDSSMT programme of the ULB is progressing satisfactory, lowest tendered rate can be utilised suitably through unit rate obtained against each tender. Thus basis of recommendation will be unit rate of CWR as per the lowest offered rates. Amounts will be calculated on the basis of revised size of CWRs as per CPHEEO norms i.e. one hour detention period and 16 hrs of pumping per day. Thus the final amount for each CWR is tabulated below:

DPR Provision		As per Tender		Recommendation	
CWR Size (in m3)	Amount (Rs. In lakhs)	Size (in m3)	Amount (Rs. In lakhs)	Size (in m3)	Amount (in lakhs)
80	7.60	200	15.60737	150	11.7056
60	5.70	200	15.60737	100	7.8036
90	8.55	300	19.66879	150	9.8343

Item 2: Proposal of acceptance of the lowest tendered rates for construction 3 nos. Overhead Reservoirs (700 m3 capacity within Tamruk Municipality under UIDSSMT.

Lowest tender rates for three nos. OHR obtained after re-tendering has been found to be rational and justified and as such recommended for approval. Details are tabulated below:

Zone Ref.	Capacity of OHR	Lowest Tendered Amount including %age above	Lowest Tenderer
Zone-I	70,000 litres	74,80,585	Satyabrata Bhowmik
Zone-II	70,000 litres	74,83,491	Arup Kr. Dey
Zone-III	70,000 litres	74,82,765	Arup Kr. Dey

Miscellaneous

- Design of construction of Intake Structure, approach bridge allied roads and Pump House etc. on river Mahananda near Lola bag Ghat on turnkey basis for Water Supply scheme under UIDSSMT submission of JNNURM within Old Malda Municipality.**

Of the three tenders received against above work, lowest rate offered by M/S Saha and Maitra Co. amounting to Rs. 174.70 lakhs has been found to be substantially higher than the provision of DPR. Accordingly CE, MED has been requested to communicate to the ULB for lowering down the lowest rate to the extent possible through negotiation with the contractor. It has also been

to the extent possible through negotiation with the contractor. It has also been requested to deal with the matter expeditiously. It was observed that if the rates could be lowered down close to DPR amount then the same could be considered otherwise it should be re-tendered.

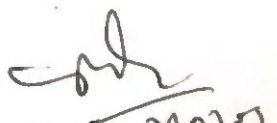
2. Kurseong – STP

It has been reported by the CE, MED that even after the 2nd call, dated 26.11.2008, only one tenderer viz. Unitech Water Technologies Pvt. Ltd. purchased and dropped the tender papers. Subsequently the Co. submitted revised price for six STPs amounting to Rs. 500.00 lakhs vide their office memo No. OFFER/KUWT/KM/08-09/68-R1 dated 12.02.09 instead of their earlier offered rate totalling to Rs. 583.00 lakhs submitted vide memo no. OFFER/KUWT/KM/08-09/68 dated 14.01.09.

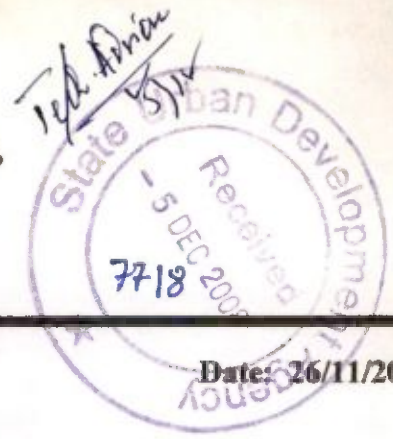
The offered rates against each STP is tabulated below:

Outfall No.	Capacity (MLD)	Previous Quoted Price (Rs.)	Final Revised Price (Rs.)
5	0.51	5,880,000.00	5,700,000.00
4	0.56	6,150,000.00	5,800,000.00
3	1.79	11,820,000.00	11,300,000.00
1 & 2	2.15	13,800,000.00	12,200,000.00
---	2.91	15,600,000.00	15,000,000.00
6	0.38	4,980,000.00	-
		58,230,000.00	50,000,000.00

In view of the fact that the pollution level of the town is substantially high, it has been recommended that work of STPs should be taken up early on the basis of the final revised price received.


 (P.K.Pradhan)
 Principal Secretary,
 M.A.Department,
 Govt. of West Bengal

**CHAIRMAN
KURSEONG MUNICIPALITY
DOWHILL ROAD, P.O. KURSEONG,
DIST-DARJEELING, PIN-734203
Fax: (0354)2344286**



No: 888/1/6233/08

Date: 26/11/2008

Notice Inviting Bid

NIT NO:- 1/STP/KM/UIDSSMT/2008-09

Chairman, Kurseong Municipality, Kurseong, on behalf of Board of Councillors, Kurseong Municipality invites sealed bids from reputed, established, resourceful, reliable and experienced companies/contractors for the following works: -

1.	“Design, Construction and Commissioning of a 2.145 MLD Sewage Treatment Plant consisting screen chamber, 2 nos. Grit chamber, 2 nos. Anaerobic bio-filter, 2 nos. Tickling filter, inclined plate Secondary Settling Tank, 2 nos. Sludge Lagon complete in all respect with supplying laying fitting & fixing of pipes & Valves and other allied works for the same within Kurseong Municipal area”.	Experience in Similar nature of works; at least should have executed a Sewage treatment plant of capacity of 2,145 MLD in Govt. sector/big industry with in last five years	Chairman Kurseong Municipality, Kurseong	Executive Engineer, Siliguri Division Municipal Engineering Directorate under Municipal Affairs Department, Government of West Bengal.
2.	“Design, Construction and Commissioning of a 1.79 MLD Sewage Treatment Plant consisting screen chamber, 2 nos. Grit chamber, 2 nos. Anaerobic bio-filter, 2 nos. Tickling filter, inclined plate Secondary Settling Tank, 2 nos. Sludge Lagon complete in all respect with supplying laying fitting & fixing of pipes & Valves and other allied works for the same within Kurseong Municipal area”.	Experience in Similar nature of works; at least should have executed a Sewage treatment plant of capacity of 1.79 MLD in Govt. sector/big industry with in last five years	- do -	- do -
3.	“Design, Construction and Commissioning of a 0.56 MLD Sewage Treatment Plant consisting screen chamber, 1 no. Grit chamber, 2 nos. Anaerobic bio-filter, 2 nos. Tickling filter, inclined plate Secondary Settling Tank, 2 nos. Sludge Lagon complete in all respect with supplying laying fitting & fixing of pipes & Valves and other allied works for the same within Kurseong Municipal area”.	Experience in Similar nature of works; at least should have executed a Sewage treatment plant of capacity of 0.56 MLD in Govt. sector/big industry with in last five years	- do -	- do - Sri B. Chakrabarti TA Notice Bd. 11/12 10/12
4.	“Design, Construction and Commissioning of a 0.51 MLD Sewage Treatment Plant	Experience in Similar nature of works; at least should have executed a	- do - Kurseong	- do -

	consisting screen chamber, 1 no. Grit chamber, 2 nos. Anaerobic bio-filter, 2 nos. Tickling filter, inclined plate Secondary Settling Tank, 2 nos. Sludge Lagon complete in all respect with supplying laying fitting & fixing of pipes & Valves and other allied works for the same within Kurseong Municipal area”.	Sewage treatment plant of capacity of 0.51 MLD in Govt.sector/big industry with in last five years		
5.	“Design, Construction and Commissioning of a 0.38 MLD Sewage Treatment Plant consisting screen chamber, 1 no. Grit chamber, 2 nos. Anaerobic bio-filter, 2 nos. Tickling filter, inclined plate Secondary Settling Tank, 2 nos. Sludge Lagon complete in all respect with supplying laying fitting & fixing of pipes & Valves and other allied works for the same within Kurseong Municipal area”.	Experience in Similar nature of works; at least should have executed a Sewage treatment plant of capacity of 0.38 MLD in Govt.sector/big industry with in last five years	- do -	- do -
6.	“Design, Construction and Commissioning of a 2.91 MLD Sewage Treatment Plant consisting screen chamber, 2 nos. Anaerobic bio-filter, 2 nos. Tickling filter, inclined plate Secondary Settling Tank, 2 nos. Sludge Lagon complete in all respect with supplying laying fitting & fixing of pipes & Valves and other allied works for the same within Kurseong Municipal area”.	Experience in Similar nature of works; at least should have executed a Sewage treatment plant of capacity of 2.91 MLD in Govt.sector/big industry with in last five years	- do -	- do -

Other Details of the Tender Notice may be obtained from the office of the Chairman, Kurseong Municipality, during office hour.

Schedule of Dates

1.	Last date and time of submission of application for purchase of bid documents	:	16/12/08. up to 3:00 P.M.
2.	Last date and time of Purchase of Quotation paper bid documents	:	20/12/08. up to 3:00 P.M.
3.	Pre- bid meeting to held at the chamber of the S.E. North Circle, M.E. Dte.	:	30/12/08. up to 1:00 P.M.
4.	Date & Time of Submission of bids	:	3/1/08. up to 3:00 P.M.
5.	Time and date of opening of bid documents	:	To be notified at the time of Submission of offer
6.	Time of Completion	:	12 months from the date of issuance of work order


CHAIRMAN
KURSEONG MUNICIPALITY

Copy forwarded for information and for favour of wide circulation to:

1. The Principal Secretary, M.A. Deptt. Govt. of W.B. Writers' Buildings, Kolkatta.
2. The Secretary, Information & Cultural Affairs Deptt., Govt. of West Bengal, Writers' Buildings, Kolkatta.
3. The Chief Engineer, M.E. Dte Bikash Bhawan, Salt Lake City Kolkatta - 91
4. Additional Chief Engineer, M.E. Dte. North Circle, Siliguri.
5. The Superintending Engineer, North Circle, M.E. Dte. Siliguri
6. District Magistrate, Darjeeling.
7. The District information Officer, Darjeeling District.
8. Sub-Divisional Officer, Kurseong .
9. The Executive Engineer, Siliguri Division, M.E. Dte, Siliguri.
- ✓ 10. The Director, SUDA, Ilgus Bhawan, H.C. Block, Sector III, Salt Lake City, Kolkatta - 91.
11. Office Notice Board.
12. Accountant, Kurseong Municipality. Kurseong.
13. Cashier, Kurseong Municipality, Kurseong.
14. Correspondent, Telegraph. With a request to publish this matter in your paper for 1(One) day.
15. Correspondent, Ananda Bazaar Patrika, with a request to publish this matter in your paper for 1(One) day.
16. Correspondent, Dainik Jagaran, with a request to publish this matter in your paper for 1(One) day.
17. Corrospendent, Himalay Darpan, with a request to publish this matter in your paper for 1(One) day

K. M. S.
26/11/08

CHAIRMAN
KURSEONG MUNICIPALITY

Estd:1879

Text. Arin
SR

Ph: 2344286/2344527

OFFICE OF THE COUNCILLORS
KURSEONG MUNICIPALITY
KURSEONG

Memo No. 490/M/C/22/08

Dated the 22nd August 08

From
Shri Krishna Limbu,
Chairman,
Kurseong Municipality,
Kurseong.



To
Director
State Urban Development Authority
Ilgus Bhawan
H.C/Block, Sector III, Bidhannagar
Kolkata 700106.

Sub: - UIDSSMT Programme (Sewerage Scheme) in Kurseong Municipality.

Ref: - SUDA-204/2008/546 Dated 16/07/08.

Madam,

Reference to your above-mentioned memo no. regarding UIDSSMT Programme (Sewerage Scheme) in Kurseong Municipality, I would like to state the following points:-

- i) Regarding possession of land for the construction of STP as per DPR, site for the STP (1), (2) and (4) has been cleared and handed over to the Municipality and for other STP sites Block Land & Land Reform Depts. has completed the survey and we are expecting to get the No-objection Certificate within few days.
- ii) Regarding finalization of Tender for the construction of STP .The tender was invited but only one Agency applied for the Tender Paper, as such fresh Tenders have been invited.
- iii) Regarding the finalization of tender for the construction of manholes and the laying of sewer network, detailed survey has been completed, estimates are under preparation in consultation with the Municipal Engineering Directorate Siliguri Division. Tenders will be invited immediately after the preparation of the estimates.

Thanking you,

Sri B. Chakrabarty
T.A.
TH
27/08/08

noted
lehm
28/8/08

Yours faithfully,

Klin
Chairman, 22/08/08
Kurseong Municipality.

Estd: 1879



OFFICE OF THE COUNCILLORS
KURSEONG MUNICIPALITY
KURSEONG

Tech. Adviser
24/8

Ph: 2344286/2344527

Memo No. 490/M/24/08

Dated the 22nd August 158

From
Shri Krishna Limbu,
Chairman,
Kurseong Municipality,
Kurseong.

To
Director
State Urban Development Authority
Ilgus Bhawan
H.C. Block, Sector III, Bidhannagar
Kolkata 700106.

Sub: - UIDSSMT Programme (Sewerage Scheme) in Kurseong Municipality.

Ref: - SUDA-204/2008/546 Dated 16/07/08.

Madam,

Reference to your above-mentioned memo no. regarding UIDSSMT Programme (Sewerage Scheme) in Kurseong Municipality, I would like to state the following points:-

- i) Regarding possession of land for the construction of STP as per DPR, site for the STP (1), (2) and (4) has been cleared and handed over to the Municipality and for other STP sites Block Land & Land Reform Dept. has completed the survey and we are expecting to get the No-objection Certificate within few days.
- ii) Regarding finalization of Tender for the construction of STP. The tender was invited but only one Agency applied for the Tender Paper, as such fresh Tenders have been invited.
- iii) Regarding the finalization of tender for the construction of manholes and the laying of sewer network, detailed survey has been completed, estimates are under preparation in consultation with the Municipal Engineering Directorate Siliguri Division. Tenders will be invited immediately after the preparation of the estimates.

Thanking you,

Yours faithfully,

K. Limbu
Chairman, 22/08/08

Kurseong Municipality.

Teet. Dicu



**CHAIRMAN
KURSEONG MUNICIPALITY**
Dowhill Road, P.O.-Kurseong,
Dist- Darjeeling, Pin-734203
Fax: (0354) 2344286

No: *372/1/Eagg.*

Date: *21st July 2008.*

Notice Inviting Bid

No. COI/UIDSSMT/KM/2008-09

Chairman, Kurseong Municipality, Kurseong, on behalf of Board of Councilors, Kurseong Municipality invites sealed bids from reputed, established, resourceful, reliable and experienced companies/ contractors for the following works. The details of works and terms and conditions can be seen from the office of the undersigned during normal office hours. The successful bidder(s) can be an individual entity or a consortium of business entities having experience in similar nature of works. Interested parties are requested to send their applications for obtaining permission for purchase of bid documents to the undersigned in the company letter head along with the following proof as per the date mentioned below.

1. Company Profile giving details of current activities, background of promoters and management structure including evidence of incorporation, bank solvency Certificate etc.
2. Details of similar nature of projects successfully implemented in the last five years including period of implementation, cost and project features.
3. Annual reports including audited balance sheet and profit and loss account statement of the past three years.

On scrutiny of applications prescribed bid documents will be issued to the eligible applicants, on recommendation of the Superintending Engineer, Siliguri Division, Municipal Engineering Directorate, 116 Asutosh Mukherjee Road, 2ND Floor, College Para, Siliguri--- **on payment of a price of Rs. 5000.00 (Five Thousand) only in cash for each set of bid documents as per the date mentioned below.** Bids in separate sealed cover for each work in the prescribed format along with the earnest money @2% of the total value of works offered subject to a maximum of Rs. 20,000/- in the form of crossed bank draft in favour of the Chairman, Kurseong Municipality shall have to be submitted to the undersigned within the date mentioned below. Successful bidder(s) shall have to deposit the balance earnest money at the time of execution of formal contract, which shall be subsequently treated as security deposit.

All bids received will be opened on a suitable date to be notified at the time of submission of bids in the presence of the interested Bidders who may remain present at the office of the undersigned at that time.

Successful Bidder(s) shall have to execute a formal contract agreement with the bid accepting authority in triplicate within 7 days from the date of acceptance of the bids and the works are to be executed under the works executing authority as mentioned below. Bid papers are to be submitted in the prescribed form without which the offer will be treated as cancelled. Bidders should sign on all pages of Offer Document with office seal.

*Sri B. Chakrabarty
T.A.
11/19/08*

*Noted,
filed.
18/8*

5	"Design, Construction and Commissioning of a 0.38 MLD Sewage Treatment Plant consisting screen chamber, 1 no Grit chamber, 2 nos Anaerobic bio-filter, 2 nos Tickling filter, Inclined plate secondary Settling Tank, 2 nos Sludge Lagoon complete in all respect with supplying laying fitting & fixing of pipes & valves and other allied works for the same within Kurseong Municipal area".	Experience in similar nature of works; at least should have executed a Sewage treatment plant of capacity of 0.38 MLD in Govt. sector / big industry with in last five years.	Chairman, Kurseong Municipality, Kurseong	Executive Engineer, Siliguri Division. Municipal Engineering Directorate under Municipal Affairs Department, Government of West Bengal
6	"Design, Construction and Commissioning of a 2.91 MLD Sewage Treatment Plant consisting 2 nos Anaerobic bio-filter, 2 nos Tickling filter, Inclined plate secondary Settling Tank, 2 nos Sludge Lagoon complete in all respect with supplying laying fitting & fixing of pipes & valves and other allied works for the same within Kurseong Municipal area".	Experience in similar nature of works; at least should have executed a Sewage treatment plant of capacity of 2.91 MLD in Govt. sector / big industry with in last five years.	Chairman, Kurseong Municipality, Kurseong	Executive Engineer, Siliguri Division. Municipal Engineering Directorate under Municipal Affairs Department, Government of West Bengal

Schedule of Dates

1	Last date and time of submission of application for purchase of bid documents	: 20.08.08 upto 3.00 PM
2	Last date and time of purchase of Quotation paper bid documents	: <u>28.08.08 upto 3.00 PM</u>
3	Pre- bid meeting to held at the chamber of the S.E. North Circle, Municipal. Engineering.Dte.	: 05.09.08 at 1.00 PM
4	Date & time of submission of bids	: 19.09.08 upto 3.00 PM
5	Time and date of opening of bid documents	: To be notified at the time of submission of offer
6	Time of Completion	: 9 months from the date of issuance of Work Order

Selection will be made after evaluation of the offer in regard to past experience, financial capabilities, technology, financial offer etc. The submission of bid is not a prequalification. Bidders are requested to obtain all the technical

and other information about the works before submission of their offer. 1% value of the gross bill shall be deducted from the contractors bill(s) as Labour Welfare Cess in addition to the normal deduction as per rules.

The authority reserves the right to reject any or all the bids without assigning any reason and to accept any bid in whole or in part.

Sd/-

CHAIRMAN
KURSEONG MUNICIPALITY

No : 352(16) W/Engg/.

Date : 21st July, '08

Copy forwarded for information and for favour of wide circulation to :

1. The Principal Secretary, M.A. Deptt., Govt. of W.B., Writers' Buildings, Kol.
2. The Secretary, Information & Cultural Affairs Deptt., Govt. of W.B., Writers' Buildings, Kol.
3. The Chief Engineer, Municipal Engonering Dte. Bikash Bhawan, Salt Lake City Kolkatta - 91
4. The Addl. Chief Engineer, North Circle, Municipal Engineering Dte., Siliguri.
5. The Superintending Engineer, North Circle, Municipal Engineering Dte, Siliguri
6. The District Information Officer, Darjeeling District
7. The Executive Engineer, Siliguri Division, Municipal Engineering Dte.
8. DteThe Director, SUDA, Ilgus mBhawan, H.C Block, Salt Lake City Kolkatta - 91
9. Office Notice Board
10. Accountant/Cashier, Kurseong Municipality.
- 11 Corrospondent, Telegraph English Daily. With a request to publish this matter in your paper for 2(Two) days
- 12 Corrospondent. Statsment. English Daily With a request to publish this matter in your paper for 2(two) days.
- 13 Correspondent, Ananda Bazar Patrika. Bengali Daily With a request to publish this matter in your paper for 2 days.
- 14 Corrospondent, Uttar Banga Sambad, Bengali Daily, With a request to publish this matter in your paper for 2 days.
- 15 Corrospondent, Dainik Jagaran. Hindi Daily, With a request to publish this matter in your paper for 2(Two) days
- 16 Corrospondent, Himalay Darpan. Nepali Daily With a request to publish this matter in your paper for 2(Two) days

K. H.
CHAIRMAN 22/07/08
KURSEONG MUNICIPALITY

ESTD. -1879

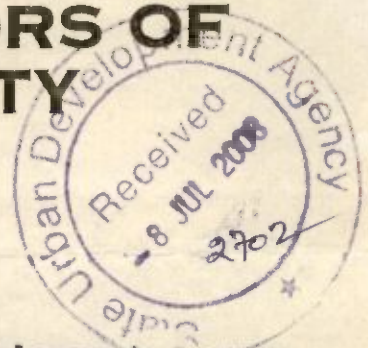
Phone : 2344286 / 2344412 / 2344527

In reply, please quote the No. & Date of this letter.

Fax : (0354)-2344286

Chairman-2344102 (R), Vice-Chairman-2344953, 2344202 (R)

OFFICE OF THE COUNCILLORS OF KURSEONG MUNICIPALITY KURSEONG-734203 (Darjeeling Gorkha Hill Council)



FROM :

Shri Krishna Limbu,
Chairman,
Kurseong Municipality,
Kurseong.

TO :

The Director,
State Urban Development Agency,
ILGUS Bhawan,
H.C. Block, Sector-III,
Bidhannagar,
Kolkata-91.

Memo No

350 / M/6/18

Dated, Kurseong the 02nd July 108

*Teek. Advisor
08-07-08*

Sub :- Engagement of 1(one) Assistant Engineer and 1/2 Sub-Assistant Engineer on Contractual basis for implementation of projects sanctioned under Jawaharlal Nehru National Urban Renewal Mission (JNNURM).

Madam,

In reference to letter No. SUDA-01/2006(Pt-I)/20(64) dated 01st. April'2008 regarding the engagement of 1(one) Assistant Engineer and 1/2 Sub-Assistant Engineer on Contractual basis for implementation of Projects Sanctioned under Jawaharlal Nehru National Urban Renewal Mission (JNNURM) by this Municipality out of the fund available under the Project as administrative expenses.

May I now request you to kindly send us further guideline so that further programme can be chalked out and the Assistant Engineer and Sub-Assistant Engineer can be engaged accordingly.

*Sri B. Chakrabarty
T.A.
11/08/07*

Yours faithfully,

Kh...
Chairman,
Kurseong Mun



রাজ্য নগর উন্নয়ন সংস্থা

STATE URBAN DEVELOPMENT AGENCY

“ইলগাস ভবন”, এইচ-সি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা ৭০০ ১০৬, পশ্চিমবঙ্গ
 “ILGUS BHAVAN”, H-C Block, Sector-III, Bidhannagar, Kolkata 700 106, West Bengal

ক্রমিক নং SUDA-204/2008/ ৫২৭

তারিখ 16.07.2008

From: Director, SUDA

To: The Chief Engineer,
 Municipal Engineering Directorate,
 Govt. of West Bengal
 Salt Lake, Kolkata- 700 091

**Sub: Release of consultancy fees for preparation of DPR of
 sewerage scheme in Kurseong Municipality**

Sir,

Please refer this office letter No. SUDA-204/2007/214 dated 13.05.2008 regarding above.

It is apprehended that process design of the sewerage treatment plants, as proposed in the DPR, might require some modifications to suit local condition. It is therefore suggested that a portion of consultancy fees be released (a portion be retained) and when necessary, the modification may be done through the same consultant in near future at their cost.

You are now requested to kindly offer your comment in this regard.

Yours faithfully,

o/c

✓

Director, SUDA

dt. 16.07.2008

17

SUDA-204/2008/ ৫২৭/১(২)

Copy forwarded for information to:

- The P.S. to the Hon'ble MIC, Municipal Affairs & Urban Development Department, Govt. of West Bengal, Writers' Buildings, Kolkata-700 001
- The P.S. to the Principal Secretary, Municipal Affairs Department, Govt. of West Bengal, Writers' Buildings, Kolkata-700 001

o/c

✓

Director, SUDA

Ref. No. : C-SEC/MED/W.B./158/Invoice/
Dated : 28-04-2008

857



To
The Chief Engineer,
Municipal Engineering Directorate,
Govt. of West Bengal,
Bikash Bhawan, South Block (1st Floor)
Salt Lake, Kolkata - 700091.

am

Tepl. Anwar
29/4

Sub. : Billing Invoice for Preparation of DPR on Water Supply and Drainage Schemes under UIDSSMT Programme in West Bengal.

Ref. : ME / 875 / ID - 124 / 2006 Dated 19-09-2006.

Dear Sir,

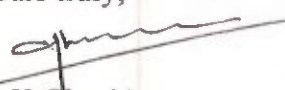
Please find herewith, our invoice, in original, for favour of your kind information and further necessary action please.

This invoice is being sent in supersession to our previous invoice, which has some minor typographical errors.

Inconvenience incurred is deeply regretted.

Thanking you,

Yours truly,


(A.K. Ghosh)
Director, C-SEC

Encl. : As stated above.

Copy for kind information to :

The Director, SUDA, Govt. of West Bengal, "ILGUS Bhawan", H-C Block, Sector-III, Bidhan Nagar, Kolkata - 700016, West Bengal.

Sri B. Chakrabarty
TA
May Kindly see
14
03/05 '08
replied
through Dis, SUDA
lethk. Pl-file
16/7

(A.K. Ghosh)
Director, C-SEC

CENTRE FOR SOCIAL AND ENVIRONMENTAL CARE (C-SEC)

Head Office : Vill.-Chilla, Behind Queen Mary's School, Mayur Vihar (Ph-I), Delhi -110091.

Tel. : 2271 5186, 2271 7184 Fax : 22719366, E-mail : c_sec@satyam.net.in / csecdel@bol.net.in

Ref. No. : C-SEC/MED/W.B./158/Invoice/

Dated : 17-04-2008



To
The Chief Engineer,
Municipal Engineering Directorate,
Govt. of West Bengal,
Bikash Bhawan, South Block (1st Floor)
Salt Lake, Kolkata – 700091.

Sub. : Billing Invoice for Preparation of DPR on Water Supply and Drainage Schemes under UIDSSMT Programme in West Bengal.

Ref. : ME / 875 / ID – 124 / 2006 Dated 19-09-2006.

Dear Sir,

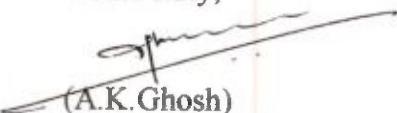
On release of funds, during March'2008, by Govt. of India, our fees for preparation of Detailed Project Report (DPR) for Kurseong Sewerage Scheme has become due.

In this context, Please find enclosed, our billing invoice (Invoice No.: C-SEC/MED/W.B./03) in triplicate for Preparation of DPR on Water Supply and Drainage Schemes under UIDSSMT Programme in West Bengal.

It is requested that the payment may please be released immediately after making statutory deductions.

Thanking you,

Yours truly,


(A.K. Ghosh)
Director, C-SEC

Encl. : As stated above.

Advance copy for kind information to :

The Director, SUDA, Govt. of West Bengal, "ILGUS Bhawan", H-C Block, Sector-III, Bidhan Nagar, Kolkata – 700016, West Bengal.

(A.K. Ghosh)
Director, C-SEC

CENTRE FOR SOCIAL AND ENVIRONMENTAL CARE (C-SEC)

Head Office : Vill.-Chilla, Behind Queen Mary's School, Mayur Vihar (Ph-I), Delhi -110091.

Tel. : 2271 5186, 2271 7184 Fax : 22719366, E-mail : c_sec@satyam.net.in / csecdel@bol.net.in

INVOICE

CENTRE FOR SOCIAL AND ENVIRONMENTAL CARE (C-SEC)



Hd. Office. : Vill.-Chilla, Behind Queen Mary's School, Mayur Vihar Phase-I, (Extn.), Delhi - 110091
Tel. : 22715186, 22717184 Fax : 22719366 E-mail : c_sec@satyam.net.in / csecdel@bol.net.in

To The Chief Engineer, Municipal Engineering Directorate, Govt. of West Bengal, Bikash Bhawan, South Block (1st Floor) Salt Lake, Kolkata - 700091.	Invoice No. : C-SEC / MED / W.B. / 03 Date : 17-04-2008 Type of invoice : Final / Interim	Client : Municipal Engineering Directorate Govt. of West Bengal		
Kind Attention : Director, SUDA "ILGUS Bhawan" H - C Block, Sector - III, Bidhannagar Kolkata 700106	Name of Work : Preparation of DPR on Water Supply and Drainage Schemes under UIDSSMT Programme of West Bengal.	Agreement No. : CE / 01 / 2006-07 Work order No.: ME / 875 / ID-124/2006 Date : 19-09-2006.		
Sl. No.	Particulars	Base Project Cost of Scheme (Rs. in Lakh)	Accepted Rate	Amount / Fees (Rs. in Lakh)
1	Release of Consultancy Fees as per terms of payment indicated in agreement (No. CE / 01 / 2006-07) signed between MED and C-SEC On completion, submission & approval of following DPR by the State Level sanctioning committee for : Sewerage Scheme for Kurseong Municipality	1251.59	1.00 %	12.5159
			Sub. Total	12.5159
	Add Service Tax @ 12.36 %			1.5470
			Total	14.0629
In Words Rupees : Fourteen Lakh Six Hundred Twenty Nine only Client is requested to make payments by crossed cheque / DD only.			 A.K. Ghosh Director, C-SEC	

C-SEC'S
 1 PAN NO. AAAAC0862F
 2 S.T.Registration No. : DL-II/ST/SE/C-SEC/R-17/2/04

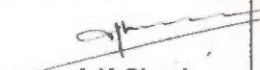


INVOICE

CENTRE FOR SOCIAL AND ENVIRONMENTAL CARE (C-SEC)



Hd. Office. : Vill.-Chilla, Behind Queen Mary's School, Mayur Vihar Phase-I, (Extn.), Delhi - 110091
Tel. : 22715186, 22717184 Fax : 22719366 E-mail : c_sec@satyam.net.in / csecdel@bol.net.in

To The Chief Engineer, Municipal Engineering Directorate, Govt. of West Bengal, Bikash Bhawan, South Block (1st Floor) Salt Lake, Kolkata – 700091.		Invoice No. : C-SEC / MED / W.B. / 03 Date : 17-04-2008 Type of Invoice : Final / Interim	Client : Municipal Engineering Directorate Govt. of West Bengal	
Kind Attention : Director, SUDA "ILGUS Bhawan" H – C Block, Sector – III, Bidhannagar Kolkata 700106		Name of Work : Preparation of DPR on Water Supply and Drainage Schemes under UIDSSMT Programme of West Bengal.	Agreement No. : CE / 01 / 2006-07 Work order No.: ME / 875 / ID-124/2006 Date : 19-09-2006.	
Sl. No.	Particulars	Base Project Cost of Scheme (Rs. in Lakh)	Accepted Rate	Amount / Fees (Rs. in Lakh)
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			Sub. Total	12.5159
	Add Service Tax @ 12.36 %			1.5470
			Total	14.0629
In Words Rupees : Fourteen Lakh Six Hundred Twenty Nine only Client is requested to make payments by crossed cheque / DD only.			 A.K.Ghosh Director, C-SEC	

C-SEC'S
1 PAN NO. AAAAC0862F
2 S.T.Registration No. : DL-II/ST/SE/C-SEC/R-17/2/04





রাজ্য নগর উন্নয়ন সংস্থা

SUDA

STATE URBAN DEVELOPMENT AGENCY

“ইলগাস ভবন”, এইচ-সি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা ৭০০ ১০৬, পশ্চিমবঙ্গ
“ILGUS BHAVAN”, H-C Block, Sector-III, Bidhannagar, Kolkata 700 106, West Bengal

o/c.

ক্রমিক নং SUDA- 204/2008/546

তারিখ 16.07.2008

From: Director, SUDA

To: The Chairman,
Kurseong Municipality

Sub: UIDSSMT Programme (Sewerage Scheme) in Kurseong Municipality

Sir,

Kindly refer this office memo no SUDA-204/2007/255 dated regarding the above. While acknowledging receipt of your letter regarding opening of a separate Bank Account, we would like to remind you about the report on the preparedness to commence field execution and steps taken in this direction.

You are once again requested to kindly take appropriate actions regarding the following and send a report thereon to this office at the earliest.

- i) Possession of Land for construction of STP as per DPR.
- ii) Finalization of tender packages and invitation of tenders for construction of manholes and laying of sewer lines.

Meanwhile, we are initiating actions for release of appropriate funds in your favour.

Yours faithfully,

o/c.
Director, SUDA

SUDA- 204/2008/546/1

16.07.2008

Copy forwarded to:-

i) The Chief Engineer, Municipal Engineering Directorate, Govt. of West Bengal

o/c.
Director, SUDA

OFFICE OF THE COUNCILLORS OF
KURSEONG MUNICIPALITY
KURSEONG

Recd. Admin
L
9/3

Memo No. 248/M/Gen/08

Dated the 06th June '08

From
Shri Krishna Limbu,
Chairman,
Kurseong Municipality,
Kurseong.

1920
09/06/08

To
The Director,
State Urban Development Agency
ILGUS Bhavan, HC Block, Sector
Kolkata- 700001

Sub: Opening of New Account under UIDSSMT Programme (Sewerage Scheme)

Ref: Memo No: SUDA-204/2007/255 dated 19.05.2008

Sir,

Reference to your above mention memo the undersigned has to inform you that this Municipality has opened a New bank Account as per your instruction .The following are the details of the New Account:-

Name of Programme : IHSDP/ UIDSSMT
Name of Bank : Central Bank of India,
Name of Branch : Kurseong Branch
Type of Account : Saving
Account No : 19952 & 19953
Whether Core banking System Available : No

Yours faithfully,

K. Limbu
8/6/08

Chairman,
Kurseong Municipality

Pl. note and
send a copy to F.O.
11
10/6/08

F.O

[Signature]



0/c



রাজ্য নগর উন্নয়ন সংস্থা

STATE URBAN DEVELOPMENT AGENCY

"ইলগাস ভবন", এইচ-সি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা ৭০০ ১০৬, পশ্চিমবঙ্গ
"ILGUS BHAVAN", HC Block, Sector-III, Bidhannagar, Kolkata 700 106, West Bengal

ক্রমিক নং SUDA- 204/2007/ 255

তারিখ 19.05.2008

From: Director, SUDA

To: The Chairman,
Kurseong Municipality

Sub: UIDSSMT programme (sewerage scheme) in Kurseong Municipality.

Sir,

You are aware that a Sewerage Scheme in Kurseong Municipality under UIDSSMT was approved by the Govt. of India at a project cost of Rs. 1251.59 lakhs. A briefing meeting was also taken with you by officers of SUDA and MED on 12.3.2008 where you were requested to initiate preliminary actions for tendering process, materials procurement and also to ensure availability of lands for the Treatment Plants. You were also requested to open a separate Bank A/c in a Nationalized Bank for this project.

You are now requested to kindly let us know of the actions taken by you including opening of a separate account and also let us have a report on your preparedness to commence field execution so that appropriate further steps could be taken by SUDA.

Yours faithfully,

0/c

Director, SUDA

SUDA- 204/2007/ 255/111

dt.19.05.2008

Copy forwarded for information to Chief Engineer, M.E. Directorate,

0/c

Director, SUDA

From : Director

To : Chairman, Kuseong Municipality.

Sub: UIDSSMT programme (Sewerage Scheme)
in Kuseong Municipality

Sir,

You are aware that a Sewerage Scheme in Kuseong Municipality under UIDSSMT was approved by the Govt. of India at a project cost of Ru 1251.50 Lakhs. A briefing meeting was also taken with you by officers of SUDA and MED on where you were requested to initiate preliminary actions for tendering process, materials procurement and also to ensure availability of lands for the Treatment plants. You were also requested to open a separate Bank account in a Nationalised Bank for this project.

^{now} You are requested to kindly let us know of the actions taken by you including opening of a separate account and also let us have a report on your preparedness to commence field execution so that appropriate ~~fund~~ ^{steps} could be taken by SUDA.

Y/7

Director

Grantan Sarkar
↓ overleaf.

Grantan
Pl. type
17/10/5

Sub: Release of funds in favour of Old Malda and Kurseong Municipalities for implementation of UIDSSMT Scheme.

It may be recalled that a Water Supply Scheme in Old Malda Municipality and a sewerage scheme in Kurseong Municipality were approved in the SLSC Meeting held on 29.11.07 with project costs of Rs. 1819.86 lakhs and Rs. 1251.59 lakhs respectively. SUDA has since received Rs. 909.926 lakhs (Central Share Rs. 727.94 lakhs and State Share Rs. 181.986 lakhs) for Old Malda and Rs. 625.799 lakhs (Central Share 500.64 lakhs and State Share 125.159 lakhs) for Kurseong in the first installment.

Now, as per norms followed, we may now initiate actions for release of 50% of the amounts received by SUDA to the respective ULBs. While Old Malda Municipality has reportedly opened a separate account, Kurseong is in the process of opening one as understood from them over 'Phone'. Old Malda has also initiated tendering process. No reports regarding preliminaries for invitation of tenders have been received from Kurseong although SUDA took a detailed briefing meeting with both the ULBs some time ago.

In view of the situation stated, it is to be decided if we should release funds to both or keep the matter pending for Kurseong till they are in preparedness to commence field execution.

Director, SUDA

S.K. Mukherjee
 (S.K. Mukherjee)
 Technical Adviser, SUDA
 16.05.08

We may release fund. to Old Malda & Kurseong. Query may be requested to send the required information.

Tech. Adviser

Action on Old Malda has been taken. ^{16/5/08} Regarding Kurseong, the letter below may issue.

Director

Tech. Adviser

Recd. 17/19/05

17/19/05 *Chin...* *19/5/08*



রাজ্য নগর উন্নয়ন সংস্থা

STATE URBAN DEVELOPMENT AGENCY

“ইলগাস ভবন”, এইচ-সি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা ৭০০ ১০৬, পশ্চিমবঙ্গ
“ILGUS BHAVAN”, HC Block, Sector-III, Bidhannagar, Kolkata 700 106, West Bengal

ক্রমিক নং SUDA-204/2007/214

তারিখ 13.05.2008

From: Director, SUDA

To: The Chief Engineer,
Municipal Engineering Directorate,
West Bengal

Sub: Release of Consultancy Fees for preparation of DPR of sewerage scheme for Kurseong Municipality.

Ref.: Invoice no. C-Sec/MED/WB/03

Sir,

For facilitating release of consultancy fees for the above mentioned project, you are requested to please provide **us** a **copy of agreement no. CE/01/2006-07** signed between MED and C-SEC.

You are also requested to please intimate about the status of implementation of the project and your valued opinion regarding release of payment to the **tune of 90%** for the present. An early action is requested.

Encl: Invoice under reference.

Yours faithfully,


For Director, SUDA

**OFFICE OF THE CHIEF ENGINEER
MUNICIPAL ENGINEERING DIRECTORATE**
Government of WEST BENGAL
Bikash Bhavan , South Block (1st Floor) , Salt Lake
Kolkata - 700091

Fax: (033) 2337-5474

☎ : (033) 2337- 1331

: (033) 2358-3347

No. ME/ 221/1D-124/06 Pt. III

From : G.Das
Chief Engineer, M.E.Dte.

✓ To : The Director
SUDA



Dated 02.05.2008

Sub : Release of consultancy fees for preparation of DPR on drainage scheme under UIDSSMT programme in West Bengal

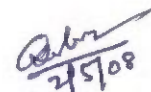
Ref : Letter No. C-SEC/MED/WB/Invoice dt. 17.04.2007

Madam,

Please find enclosed herewith bill invoice in duplicate as received from Centre for Social and Environmental Care for the work mentioned above. This is for your information and taking further necessary action from your kind end.

Yours faithfully,

Enco : As stated above


2/5/08
(G. DAS)
for Chief Engineer, MED

To Sri B. Chakrabarty
P.A.
14
05/5

INVOICE

CENTRE FOR SOCIAL AND ENVIRONMENTAL CARE (C-SEC)



Hd. Office. : Vill.-Chilla, Behind Queen Mary's School, Mayur Vihar Phase-I, (Extn.), Delhi - 110091
Tel. : 22715186, 22717184 Fax : 22719366 E-mail : c_sec@satyam.net.in / csecdel@bol.net.in

To The Chief Engineer, Municipal Engineering Directorate, Govt. of West Bengal, Bikash Bhawan, South Block (1st Floor) Salt Lake, Kolkata – 700091.		Invoice No. : C-SEC / MED / W.B. / 03 Date : 06-03-2007 Type of Invoice : Final / Interim	Client : Municipal Engineering Directorate Govt. of West Bengal	
Kind Attention : Director, SUDA "ILGUS Bhawan" H – C Block, Sector – III, Bidhannagar Kolkata 700106		Name of Work : Preparation of DPR on Water Supply and Drainage Schemes under UIDSSMT Programme of West Bengal.	Agreement No. : CE / 01 / 2006-07 Work order No.: ME / 875 / ID-124/2006 Date : 19-09-2006.	
Sl. No.	Particulars	Base Project Cost of Scheme (Rs. in Lakh)	Accepted Rate	Amount / Fees (Rs. in Lakh)
1	Release of Consultancy Fees as per terms of payment indicated in agreement (No. CE / 01 / 2006-07) signed between MED and C-SEC On completion, submission & approval of following DPR by the State Level sanctioning committee for : Sewerage Scheme for Kurseong Municipality	1251.59	1.00 %	12.5159
			Sub. Total	12.5159
	Add Service Tax @ 12.36 %			1.5470
			Total	14.0629
In Words Rupees : Fourteen Lakh Six Hundred Twenty Nine only Client is requested to make payments by crossed cheque / DD only.			A.K.Ghosh Director, C-SEC	

C-SEC'S
1 PAN NO. AAAAC0862F
2 S.T.Registration No. : DL-II/ST/SE/C-SEC/R-17/2/04



INVOICE

CENTRE FOR SOCIAL AND ENVIRONMENTAL CARE (C-SEC)



Hd. Office. : Vill.-Chilla, Behind Queen Mary's School, Mayur Vihar Phase-I, (Extn.), Delhi - 110091
Tel. : 22715186, 22717184 Fax : 22719366 E-mail : c_sec@satyam.net.in / csecdel@bol.net.in

To The Chief Engineer, Municipal Engineering Directorate, Govt. of West Bengal, Bikash Bhawan, South Block (1st Floor) Salt Lake, Kolkata – 700091.	Invoice No. : C-SEC / MED / W.B. / 03 Date : 06-03-2007 Type of Invoice : Final / Interim	Client : Municipal Engineering Directorate Govt. of West Bengal		
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In Words Rupees : Fourteen Lakh Six Hundred Twenty Nine only Client is requested to make payments by crossed cheque / DD only.			 A.K.Ghosh Director, C-SEC	

C-SEC'S
 1 PAN NO. AAAAC0862F
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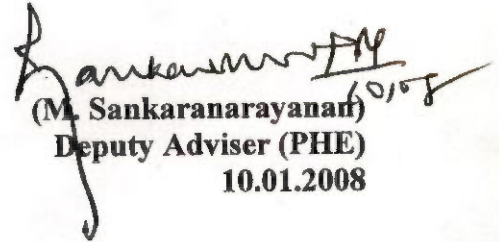
No.Q-12045/29/1/UIDSSMT/06-CPHEEO
Government of India
Ministry of Urban Development
CPHEEO


SUB: Sewerage Scheme for Municipal Town of Kurseong in Darjeeling W.B. - under UIDSSMT - Technical Approval - Regarding.

FR is a letter No.SUDA-01/2006(Pt-D)/1881 dated 31.12.2007 received the State Urban Development Agency (SUDA), nodal agency for UIDSSMT programme for West Bengal State enclosing a Revised Detailed Project Report titled "**Sewerage Scheme for Municipal Town of Kurseong in Darjeeling W.B. at an estimated cost of Rs 1251.59 lakhs** after incorporating all the technical suggestions made by the undersigned during the SLSC meeting held on 29-30 November, 2007 at Siliguri under the Chairman of Secretary(UD), Government of West Bengal, for necessary technical clearance of the said Scheme by CPHEEO.

The same has been examined and found technical feasible. The appraisal report for the said town is at Annexure.

The DPR has been approved at an estimated cost of Rs. 1251.59 lakhs for consideration under UIDSSMT.


(M. Sankaranarayanan)
Deputy Adviser (PHE)
10.01.2008


Adviser(PHEE)

Director(UD)

CPHEEO

APPRAISAL REPORT OF PROJECTS UNDER UIDSSMT

i	Name of the scheme	Sewerage Scheme for Municipal Town of Kurseong in Darjeeling W.B.
ii	Name of State/ UT	West Bengal
iii	Name of City	Kurseong, Darjeeling
iv	Need of project	25% of the town has been provided with UGD during the British period, which has outlived its life and is inadequate. To provide 100% sewerage system with adequate STPs to the town.
v	Population -As per 2001 Census -Design Population	40,172 69460(2038AD)
vi	Design Waste Water Capacity	6 units with total capacity of 8.3 Mld
vii	Proposed System/ method	The scheme envisages dividing the whole township in 6 zones based on the topography. Sewer network varies from 150 mm to 450 mm dia of 27350 m.
viii	Land availability	Available. It should be taken possession by the ULBs before implementation.
ix	Period of Implementation	2008-2010
x	Funding Pattern	As per UIDSSMT Guidelines
xi	Implementing Agency	Municipal Committee, Kurseong
xii	Agency responsible for O&M	Municipal Committee, Kurseong
xiii	Commitment to make the scheme self sustainable	The ULB has to formulate a realistic tariff / charges and as well as an action plan to recover from the beneficiaries to make the scheme self sustainable.
xiv	Recommended Estimated cost of DPR	Rs.1251.59 with 2007-08 price level. No escalation clause is allowed during the implementation period.
xv	CPHEEO's Technical Comments	The project can be considered by the Ministry for funding as it is technically viable with the technical remarks in the Annexure.

Estd:1879

Ph: 2344286/2344529

Tech. Review
19/3/08
9578
Received
19 MAR 2008
Agency

OFFICE OF THE COUNCILLORS OF
KURSEONG MUNICIPALITY
KURSEONG

Memo No. 1343/M/Gca/08	Dated the 8 th March, 2008.
From Shri P.C. Agarwal Chairman (Care Taker) Kurseong Municipality Kurseong.	To The Director SUDA, Ilgus Bhawan, H-C Block, Sector III, Bidhannagar Kolkata-700 106.

Sub: Meeting to be held on 12th March at 12 noon at Conference Room at SUDA in connection with UIDSSMT programme in Kurseong Municipality.

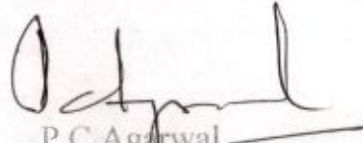
Ref: Your memo no. SUDA-01/2006(Pt-1)2368 dated 5th March.

Madam,

I thankfully acknowledge the receipt of your above mentioned memo.

As this meeting is to discuss UIDSSMT (Sewerage Scheme) of Kurseong Municipality, which has already been approved in the meeting of SLSC for a total project cost of Rs.1251.59 Lakhs, I confirm that I will be personally attending the meeting, possibly with my Municipal SAE.

Thanking you.


P.C. Agarwal
Chairman
(Care Taker)

Copy forwarded for kind information to:

1. The Principal Secretary, Municipal Affairs Dept., WB, Writers Bldg.
2. The Chief Engineer, M.E.D., Bikash Bhawan, Kolkata.
3. The Director, Local Bodies, Purta Bhawan, Kolkata
4. The District Magistrate, Darjeeling.
5. The Sub Divisional Magistrate, Kurseong.
6. The Vice Chairman, Kurseong Municipality

Two
Pl. file.
14
20/03/08.

GOVERNMENT OF WEST BENGAL
OFFICE OF THE CHIEF ENGINEER
MUNICIPAL ENGINEERING DIRECTORATE
BIKASH BHAVAN, SOUTH BLOCK, 1ST FLOOR, SALT LAKE, KOLKATA-91

No. ME/1809 /1D-124/06 Pt. III

Dated, the 18th December, 2007.

To
The Director,
S.U.D.A.
ILGUS Bhavan,
Salt Lake, Kolkata-91.



Tek. Diner
19/12

Sub: 3rd Revised D.P.R. for proposed sewerage scheme of Kurseong Municipality under UIDSSMT (JNNURM).

Madam,

I am to enclose herewith five copy of the 3rd revised D.P.R. for proposed sewerage scheme of Kurseong Municipality under UIDSSMT Programme (JNNURM) for taking further necessary action from your end.

Yours faithfully,

(G. DAS)
Chief Engineer, MED.

Encl : Five copy DPR.

No. ME/

/1D-145/07

Dated, the

December, 2007.

Copy forwarded for information and necessary action to:-

1. The Superintending Engineer, North Circle, MED.
2. The Executive Engineer, Siliguri Division, MED.
3. The Chairman, Kurseong Municipality.

To Smt R.M. Chatterjee
T.A.
14/12/12

Chief Engineer, MED.

Shri B. Saha AE
Comments already forwarded to the Director SUDA.
File
19/12

**DPR on Sewerage Scheme for Municipal Town of Kurseong under UIDSSMT
Programme of JNNURM.**

Chief Engineer, Municipal Engineering Directorate had engaged Consultant M/S Centre for Social and Environmental Care (C-SEC) to prepare the aforementioned DPR.

C-SEC submitted the DPR through Chief Engineer, MED at a cost of Rs.1671.03 lakh in the month of Feb' 07 which was placed before the Expert Committee on UIDSSMT for consideration.

The Expert Committee deliberated on the various aspects of the DPR in its 13th meeting held on 26.02.2007 in SUDA and requested Chief Engineer, M.E.Director, intimate the Consultant to revise the DPR based on the deliberation of the Expert Committee held on 26.02.2007.

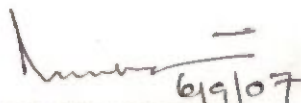
The Consultant revised cost and also provides S.W. pipes in place of C.I. pipes in sewer network and thereby cost of the scheme is reduced from Rs.1671.03 to Rs. 1258.99 lakh without addressing the other issues discussed in the 13th meeting of the Expert Committee especially on the service level of Water Supply and clubbing of STPs.

The DPR with revised cost was again placed before the 14th Expert Committee on UIDSSMT held on 19.06.2007 which again deliberated on the DPR and decided that the followings basic issues needs to be addressed before consideration of the DPR. Accordingly the matter has again referred to the Chief Engineer, MED for onward transmission to the Consultant with the request to submit the revised DPR addressing the observation of the Expert Committee by the Consultant. The observations and compliance thereof is stated below:

Sl No.	Observations of the Expert Committee in the 14 th meeting held on 19.06.2007	Compliance
1.	The waste water generation in Kurseong Town is at present much below the CPHEEO norm since the service level of water supply has not reached 135 lpcd for the town. Confirmation from the appropriate authority is necessary regarding contemplation of augmentation of water supply to that service level.	Resolution adopted in the meeting of Board of Councilor held on 28.06.2007 has confirmed the same.
2.	Existing Technical Staff of the Municipality will not sufficient for effective O & M of the proposed Sewerage Treatment Facility	No confirmation has been provided by the Municipality regarding modus operandi of O & M of proposed Treatment facilities.
3.	As a cost effective measure, the clubbing of the proposed six STP's to be considered.	CE, MED confirmed in the Expert Committee meeting that he made a

		field observation which revealed that the proposed system of sewerage network has been selected based on topography to ensure gravity discharge and thereby saving of energy cost. For clubbing, rerouting of sewerage network is necessary which leads to pumping and thereby will not be cost effective.
4.	Availability of Land Area at the proposed location of STP's to be confirmed by the Municipality.	In the meeting held in the Board of Councillors on 28.06.2007 resolved that process of acquisition of land required for the proposed STP's included in the project has already been started through District Magistrate, Darjeeling
5.	The unit cost of road restoration and utility management needs to be elaborated	The same has been complied and there is cost reduction from the earlier estimate.
6.	The cost of treatment units needs to be elaborated with supporting cost estimate	Break-up components of the Treatment Units have been provided without detailed supporting cost analysis.

The cost of the aforementioned Project as per 2nd Revised DPR as submitted on 26.08.2007 by C-SEC through Chief Engineer, M.E. Directorate stands at Rs. 1193.06 lakhs


 (R.M. Chatterjee)
 Technical Adviser, SUDA

Pending DPRs under UIDSSMT programme of JNNURM.

The Consultant C-Sec submitted the following three DPRs under UIDSSMT programme for approval.

- 1. Sewer
- 2. Sewer
- 3. Surface
Munic

Discussed with Sri R. M. Chatterjee, Tech. Adviser.

It is no more necessary to place the DPR again before the Expert Committee. The observations of the Committee and their compliance by the Consultant have been noted in a tabular form.

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M.E. Director
Consultant fo

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It appears t
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If based on the compliance position, pr. Secy. instructs placing the DPR in the SLSC Mtg. we may convene a Mtg. and send copies of the DPR to all concerned as required.

Director

V.M.
12.09.07.

Director SUDA

Sri S.K. Mukherjee
are we required
to place the DPR
again before
Tech. Expert Committee?
7/9

Discussed with Sri S.K. Mukherjee, Tech. Adviser and CE, MED. It is understood that DPRs for Durgah and Englishbazar are going to be submitted by the Consultant shortly. In that case, we may wait for a few days.

Tech. Adviser

13/9/07

Copy of notes overleaf may be sent to Sri R.M. Chatterjee Tech. Adviser for information. The original with encl. may be filed for the moment.

Sri B. Das
AE

M
19.09.07

BS
19/09/07

Estd: 1879

KURSEONG | UIDSSMT

Ph: 0354-2344286/44527/9933064465

2584
Received
11 JUL 2007
PCE

OFFICE OF THE COUNCILLORS OF
KURSEONG MUNICIPALITY
KURSEONG (DGHC)

Tech/Person
2/7
Sudhakar
AE
16/07/07

Memo No: 414/14/600/07

Dated the 6th July, 2007.

From:
Sri P.C. Agarwal
Chairman
Kurseong Municipality
Kurseong.

To
The Director
SUDA, Ilgus Bhawan, HC Block, Sector III
Salt Lake (Bidhanager)
Kolkata-700 091.

Sub : Resolution adopted in the meeting of Board of Councillor in connection with the Sewerage Scheme of this Municipality.

Dear Madam ,

I am thankful to Government of West Bengal and the concerned departments for preparing the Sewerage Scheme for Kurseong Town within this Municipality under UIDSSMT (JNNURM).

In absence of the Chairman , the Vice Chairman informed the house regarding the progress of the Sewerage Scheme of the town and he proposed two resolution to be adopted for submission of the same to the concerned Department of Government of West Bengal, concerning the confirmation of the sites for STP for proposed Sewerage Scheme of Kurseong Municipality & augment of Water Supply rate from present level of 70 lpcd to 135 lpcd under UIDSSMT (JNNURM) , As such the following resolutions were resolved and adopted unanimously.

Extract of the Resolution No. 14 & 15 of Subs. Agenda of the meeting of B.O.C.held on 28th June , 2007

Resolution No.14: "Be it resolved that the Municipality ensures for the necessary action to augment of the Water Supply from the present level of 70 lpcd to 135 lpcd to facilitate implementation of a Sewerage Scheme under JNNURM programme. The Directorate of Municipal Engineering will be requested to prepare the detailed Project Report for this purpose. " The resolution was carried unanimously.

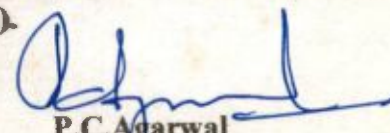
Resolution No.15: "Be it resolved that the six sites ,as per details given below , belonging to this Municipality will be available for the construction of STP for Sewerage Scheme and some other sites , which does not belong to this Municipality , shall be acquired through the office of the District Magistrate , Darjeeling for the construction of STP. The process for acquisition has already been started." Carried unanimously.

Detail , as available ,for six STP sites are given below:

Sl.No.	Name of STP with location	Dag No/J.L.No.	Owner	Mouza	Area
1.	1 & 2 Dhobikhola Ward XVII	RS 10 / J.L.No.9	Casleton T.E.	Kurseong	2000 Sq.Mt
2.	3 Near Sudpatole Ward X	RS 475/JL 9	Singell T.E.	"	1500 Sq.Mt
3.	4 Suntaley pakha Ward XIX	RS 543/JL No.9	Springside T.E.	"	1000 Sq.Mt
4.	5 Below Jail Ward XX	RS 2615/JL No.9	Municipal land	"	600 Sq.Mt
5.	6 Karbia Busty Ward XIV	RS 252/JL No.9	Karbia T.E.	"	500 Sq.Mt
6.	E Existing Tank Ward XIV	RS 447/JL No.9	Municipal	"	2000 Sq.Mt

I hope you will try to get the Sewerage Scheme of Kurseong Municipality passed by the State Government and the same will be forwarded to the Union Government for its final sanction. Because for very bad sewerage system in the town , the entire area is polluted and danger of health hazard is being caused due to liquid waste passing from big & small Jhoras (Nallah).

Thanking you.

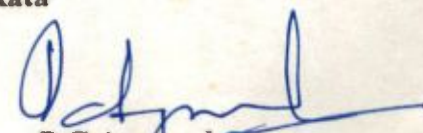

P.C. Agarwal
Chairman

Memo NO. 414/13/14/07

St. 07th July 107

Copy forwarded for kind information & necessary action:

- 1.The Principal Secretary , Municipal Affairs Dept. Writers Building , Kolkata
- 2.The Director, Local Bodies , Purta Bhawan, Salt Lake ,Kolkata
- 3.The Chief Engineer, M.E.D., Bikash Bhawan, Salt Lake, Kolkata


P.C. Agarwal
Chairman



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UIDSSMT/Kurseong

GOVERNMENT OF WEST BENGAL
OFFICE OF THE CHIEF ENGINEER
MUNICIPAL ENGINEERING DIRECTORATE
BIKASH BHAVAN, SOUTH BLOCK, 1ST FLOOR, SALT LAKE, KOLKATA-91

No. ME/ 604 / 1D-124/06 Pt-II.

Dated, the 9th July, 2007.

From : Shri G. Das,
Chief Engineer,
M.E. Dte.



Tech/Advice
147

To : The Director,
SUDA.

Sub : Resolution adopted in the meeting of Board of Councillor in connection with the Sewerage Scheme of this Municipality under UIDSSMT Programme.

Ref : B.O.C. Resolution memo No. 414/M/Gen/07 dt. 06.07.07.

Madam,

I am to enclose herewith a copy of the Resolution, the Board of Councillors of Kurseong Municipality regarding Sewerage Scheme under UIDSSMT Programme for taking further necessary action from your end, if any.

Yours faithfully,

(G. Das)
Chief Engineer, M.E. Dte.

Encl : As above.

Sri G. Das
AE
Kindly send a copy to Sri R.M. Chatterjee
Tech. Adviser
16/07/07

BS
16/07/07

Estd: 1879

Ph: 0354-2344286/44527/9933064465

OFFICE OF THE COUNCILLORS OF
KURSEONG MUNICIPALITY
KURSEONG (DGHC)

Memo No: L/14/M/Gm/07

Dated the 6th July, 2007.

From: Sri P.C. Agarwal
Chairman
Kurseong Municipality
Kurseong.

To: 7
The Director
SUDA, Ilgus Bhawan, HC Block, Sector III
Salt Lake (Bidhanager)
Kolkata-700 091.

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In absence of the Chairman , the Vice Chairman informed the house regarding the progress of the Sewerage Scheme of the town and he proposed two resolution to be adopted for submission of the same to the concerned Department of Government of West Bengal, concerning the confirmation of the sites for STP for proposed Sewerage Scheme of Kurseong Municipality & augment of Water Supply rate from present level of 70 lpcd to 135 lpcd under UIDSSMT (JNNURM) , As such the following resolutions were resolved and adopted unanimously.

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Resolution No.15: "Be it resolved that the six sites ,as per details given below , belonging to this Municipality will be available for the construction of STP for Sewerage Scheme and some other sites , which does not belong to this Municipality , shall be acquired through the office of the District Magistrate , Darjeeling for the construction of STP. The process for acquisition has already been started." Carried unanimously.

Detail , as available ,for six STP sites are given below:

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Thanking you.


P.C. Agarwal
Chairman

Memo NO. L/14/S/M/Gm/07Dt: 07th July 2007

Copy forwarded for kind information & necessary action:

1. The Principal Secretary , Municipal Affairs Dept. Writers Building , Kolkata
2. The Director, Local Bodies , Purta Bhawan, Salt Lake , Kolkata

Kurseong

UIDSSMT

Estd: 1879

Ph: 0354-2344286/44527/9933064465

**OFFICE OF THE COUNCILLORS OF
KURSEONG MUNICIPALITY
KURSEONG (DGHC)**

Memo No: 414/M/Gen/07

Dated the 6th July, 2007.

From:
Sri P.C. Agarwal
Chairman
Kurseong Municipality
Kurseong.

To
The Director
SUDA, Ilgus Bhawan, HC Block, Sector III
Salt Lake (Bidhanager)
Kolkata-700 091.

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3.	4 Suntaley pakha Ward XIX	RS 543/JL No.9	Springside T.E.	" 1000 Sq.Mt
4.	5 Below Jail Ward XX	RS 2615/JL No.9	Municipal land	" 600 Sq.Mt
5.	6 Karbia Busty Ward XIV	RS 252/JL No.9	Karbia T.E.	" 500 Sq.Mt
6.	E Existing Tank Ward XIV	RS 447/JL No.9	Municipal	" 2000 Sq.Mt

Memo NO. 414 (3) M/1974

Copy forwarded for kind information & necessary action:

1. The Principal Secretary, Municipal Affairs Dept. Writers Building, Kolkata
2. The Director, Local Bodies, Purta Bhawan, Salt Lake, Kolkata
3. The Chief Engineer, M.E.D., Bikash Bhawan, Salt Lake, Kolkata



P.C. Agarwal
Chairman

Estd: 1879

Ph: 0354-2344286/44527/9933064465

OFFICE OF THE COUNCILLORS OF
KURSEONG MUNICIPALITY
KURSEONG (DGHC)

Memo No: 414/M/Gm/07

Dated the 6th July, 2007.

From:
Sri P.C. Agarwal
Chairman
Kurseong Municipality
Kurseong.

To
The Director
SUDA, Ilgus Bhawan, HC Block, Sector III
Salt Lake (Bidhanagar)
Kolkata-700 091.

Sub : Resolution adopted in the meeting of Board of Councillor in connection with the Sewerage Scheme of this Municipality.

Dear Madam,

I am thankful to Government of West Bengal and the concerned departments for preparing the Sewerage Scheme for Kurseong Town within this Municipality under UIDSSMT (JNNURM).

In absence of the Chairman, the Vice Chairman informed the house regarding the progress of the Sewerage Scheme of the town and he proposed two resolution to be adopted for submission of the same to the concerned Department of Government of West Bengal, concerning the confirmation of the sites for STP for proposed Sewerage Scheme of Kurseong Municipality & augment of Water Supply rate from present level of 70 lpcd to 135 lpcd under UIDSSMT (JNNURM), As such the following resolutions were resolved and adopted unanimously.

Extract of the Resolution No. 14 & 15 of Subs. Agenda of the meeting of B.O.C. held on 28th June, 2007

Resolution No.14: "Be it resolved that the Municipality ensures for the necessary action to augment of the Water Supply from the present level of 70 lpcd to 135 lpcd to facilitate implementation of a Sewerage Scheme under JNNURM programme. The Directorate of Municipal Engineering will be requested to prepare the detailed Project Report for this purpose. " The resolution was carried unanimously.

Resolution No.15: "Be it resolved that the six sites, as per details given below, belonging to this Municipality will be available for the construction of STP for Sewerage Scheme and some other sites, which does not belong to this Municipality, shall be acquired through the office of the District Magistrate, Darjeeling for the construction of STP. The process for acquisition has already been started." Carried unanimously.


Detail, as available, for six STP sites are given below:

Sl.No.	Name of STP with location	Dag No./J.L.No.	Owner	Mouza	Area
1.	1 & 2 Dhobikhola Ward XVII	RS 10 / J.L.No.9	Casleton T.E.	Kurseong	2000 Sq.Mt
2.	3 Near Sudpatole Ward X	RS 475/JL 9	Singell T.E.	"	1500 Sq.Mt
3.	4 Suntaley pakha Ward XIX	RS 543/JL No.9	Springside T.E.	"	1000 Sq.Mt
4.	5 Below Jail Ward XX	RS 2615/JL No.9	Municipal land	"	600 Sq.Mt
5.	6 Karbia Busty Ward XIV	RS 252/JL No.9	Karbia T.E.	"	500 Sq.Mt
6.	E Existing Tank Ward XIV	RS 447/JL No.9	Municipal	"	2000 Sq.Mt

Memo NO. 414/B/M/19/07

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- 3.The Chief Engineer, M.E.D., Bikash Bhawan, Salt Lake, Kolkata


P.C. Agarwal
Chairman

**Sub: Convening the 5th meeting of the State Level Sanctioning
Committee on UIDSSMT**

We right now have three projects on UIDSSMT in the pipeline in various stages of scrutiny and examination. The status of these DPRs and the suggested actions are as follows:

1) Sewerage scheme in Kurseong Municipality

The consultants engaged by MED M/S C-SEC originally prepared a DPR for Kurseong sewerage scheme at an estimated project cost of Rs.1671.03 lakhs. This DPR was considered in the 13th meeting of the Expert Committee held on 26.02.2007 and several shortcomings on the DPR were pointed out along with suggested actions. A confirmation on the design service level for water supply was also called for by the Committee. But it was seen that the consultants acted on some of the points and leaving the other points unattended they submitted a revised DPR at an estimated project cost of Rs. 1258.99 lakhs. A copy of minutes of the 13th meeting of the Expert Committee and a copy of letter from MED forwarding the revised DPR are placed below. The matter is to be referred back to Chief Engineer, MED for his comments.

2) Water Supply scheme for English Bazar Municipality.

M/S C-SEC prepared a DPR at an estimated project cost of Rs.1991.00 lakhs for Water Supply scheme in English Bazar Municipality. On preliminary scrutiny and examination, Sri R.M. Chatterjee, Technical Adviser pointed out numerous shortcomings in the DPR and Chief Engineer, MED was informed of the position with a request to advise the consultants to take appropriate steps and modify the DPR accordingly. The consultant does not appear to have submitted any modified report so far. Chief Engineer, MED may be requested to remind the consultants.

3. Sewerage scheme for Darjeeling Town.

The consultant engaged by MED, M/S C-SEC prepared a DPR for sewerage scheme for Darjeeling town at an estimated project cost of Rs.1537.88 lakhs. This was referred to Sri R.M. Chatterjee, Technical Adviser for preliminary scrutiny and examination. The findings will be referred back to the consultants for necessary revision / modification of the DPR.

After the preliminary observations on the above three DPRs are complied with by the consultants, we may convene the next meeting of the Expert Committee for appraisal. The 5th meeting of the SLSC will be convened immediately thereafter.

Meanwhile, a priority list for UIDSSMT towns for the current financial year is to be obtained from higher authorities to enable us to request MED to take up preparation of DPRs. Names of some towns like Kaliaganj, Contai, Kandi etc. have been referred to us in different occasions in a piece-meal manner.

SUDA should also have an idea about the quantum of funds available with the GoI as Central share in the Current year both for new projects and for second / subsequent installments for on-going towns. We have written to the Chief Planner, TCPO about a fortnight ago in this connection. We should receive a reply one of these days. Informally, it has been ascertained that the amount available with the GoI for West Bengal this year is Rs. 34.54 crores. This figure may, however, undergo upward revision later during the year.

Director,
SUDA

S.K. Mukherjee
(S.K. Mukherjee)
Technical Adviser, SUDA

Tech. Advisor

*We may initiate
action as proposed at A, B and C above.
(Signed) 01.06.07*

Minutes of the 13th Meeting of the Expert Committee on UIDSSMT
held at 4.00 P.M. on 26.02.2007 in SUDA

Present

Sri S.K. Neogi, Retd. Chief Engineer, M.E.Dte.	Member.
Sri Utpal Kr. Sen Retd. Chief Engineer, KMDA	Member
Sri S.K. Mukherjee Technical Adviser, SUDA	Member
Prof. A. Majumder Ex. Director-Professor, All India Institute of Hygiene & Public Health Govt. of India.	Invited Expert

The Committee considered the DPR for Kurseong Town on Sewerage Scheme.

It was noted that DWF has been calculated on the basis of water supply @ 135 lpcd i.e. spent water @ 100 lpcd. The CPHEEO Manual also prescribes 100 lpcd sewage flow for installation of Sewerage system in a town.

It has been understood that the present water supply level of Kurseong Town is of the order of 45 - 50 lpcd (though as per PHED record it is 58 lpcd). It is also known that the adequacy and reliability of the source of water supply for Kurseong Town is constrained. It is, therefore, considered necessary to ascertain from appropriate authorities if the service level of water supply by the time the proposed Sewerage system is commissioned will be elevated to the level of 135 lpcd. If not, the system as has been proposed will be grossly over designed and will not be functioning properly.

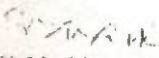
The committee, however, is of the opinion that even if the system is designed with a lower service level like 70 lpcd (instead of 135 lpcd), the Sewerage system will still be functional due to steep slope of the terrain, which will maintain a non silting velocity in the system and chokage in the sewer line is not likely to occur.

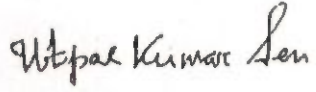
After ascertaining the design water supply service level, the system will have to be redesigned keeping in view the following points:

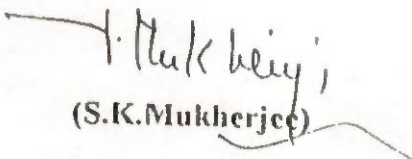
- An exercise may be made to club as many of the outfalls as practicable to install one or two centralized treatment plant as a measure of cost reduction
- To review the estimates for pavement restoration and utility management which prima facie appears to be much on the higher side

- To consider use of alternate pipe materials including SW pipes wherever practicable. In the DPR, Cast iron pipe is proposed to be used as sewers which appears to have increased the cost of the system considerably
- To adopt a simpler and easy- to- maintain system of treatment, particularly in consideration of the limited technical capacity of a small Municipal Town like Kurseong. The units proposed viz. an Anaerobic Filter, Low Rate Trickling Filter and Secondary Sedimentation Tank (inclined plate) appear to be a complicated combination specially from the point of view of operation and maintenance apart from being cost intensive

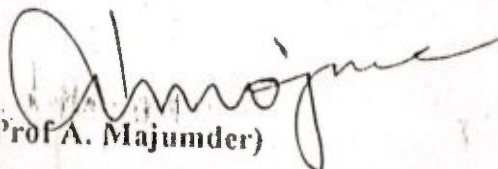
The Committee decided to keep the appraisal pending till receipt of input on water supply


(S.K. Neogi)


(Utpal Kr. Sen)


(S.K. Mukherjee)

Members of the Expert Committee.


(Prof. A. Majumder)
Invited Expert Member