



CHAUDHARY DEVI LAL UNIVERSITY

BARNALA ROAD, SIRSA - 125055 (HARYANA) INDIA

(Established by State Legislature Act 9 of 2003)

No. CDLU / 2389

Dated..... 14-12-2021

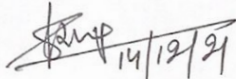
Sub.: Information regarding NAAC Matrix 7.1.4 Water conservation facilities available in the Institution.

The required information is as follows:

1. Rain water harvesting
2. Borewell /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

Options:

- A. Any 4 or all of the above
- B. 3 of the above
- C. 2 of the above
- D. 1 of the above
- E. None of the above


14/12/21
EXECUTIVE ENGINEER


REGISTRAR
30/12/2021



Tagore Bhawan, CDLU, Chaudhary Devi Lal University, Sirsa, Haryana
125055, India

Latitude

29.54464833333333°

Longitude

75.04456499999999°

Local 04:34:25 PM
GMT 11:04:25 AM

Altitude 161.6 meters
Wednesday, 10-11-2021



GPS Map
Camera Lite

First floor, CV Raman Block Chaudhary Devi Lal University,
Chaudhary Devi Lal University, Sirsa, Haryana 125055, India

Latitude

29.546785°

Longitude

75.04579833333334°

Local 04:10:10 PM

GMT 10:40:10 AM

Altitude 161.4 meters

Wednesday, 10-11-2021



Tagore Bhawan, CDLU, Chaudhary Devi Lal University, Sirsa, Haryana
125055, India

Latitude

29.544635000000003°

Local 04:34:30 PM

GMT 11:04:30 AM

Longitude

75.04457166666666°

Altitude 164.7 meters

Wednesday, 10-11-2021



GPS Map
Camera Lite

G2XV+263, Chaudhary Devi Lal University, Sirsa, Haryana
125055, India

Latitude

29.547445°

Longitude

75.04277166666667°

Local 04:46:05 PM

GMT 11:16:05 AM

Altitude 158.9 meters

Wednesday, 10-11-2021



GPS Map
Camera Lite

G2WV+R3W, Chaudhary Devi Lal University, Sirsa, Haryana
125055, India

Latitude

29.546771666666668°

Longitude

75.042425000000001°

Local 04:44:11 PM

GMT 11:14:11 AM

Altitude 152.9 meters

Wednesday, 10-11-2021



CDLU Rd, Chaudhary Devi Lal University, Sirsa, Haryana 125055, India

Latitude

29.54773°

Longitude

75.04535°

Local 04:03:48 PM

GMT 10:33:48 AM

Altitude 153.1 meters

Wednesday, 10-11-2021



First floor, CV Raman Block Chaudhary Devi Lal University, Chaudhary
Devi Lal University, Sirsa, Haryana 125055, India

Latitude

29.547385000000002°

Longitude

75.045059999999999°

Local 04:06:46 PM

GMT 10:36:46 AM

Altitude 155.6 meters

Wednesday, 10-11-2021



GPS Map
Camera Lite

G2WV+R3W, Chaudhary Devi Lal University, Sirsa, Haryana
125055, India

Latitude
29.547821666666664°

Longitude
75.041975000000001°

Local 04:48:38 PM
GMT 11:18:38 AM

Altitude 154.6 meters
Wednesday, 10-11-2021



G2WW+673, Chaudhary Devi Lal University, Sirsa, Haryana 125055,
India

Latitude

29.5457333333333335°

Longitude

75.045835°

Local 04:14:58 PM

GMT 10:44:58 AM

Altitude 165.7 meters

Wednesday, 10-11-2021



G2XV+7P7 Harbal park in CDLU, Chaudhary Devi Lal University,
Sirsa, Haryana 125055, India

Latitude

29.54837483°

Longitude

75.04395034°

Local 04:31:39 PM

GMT 11:01:39 AM

Altitude 154.97 meters

Wednesday, 10-11-2021



G2XV+7P7 Harbal park in CDLU, Chaudhary Devi Lal University,
Sirsa, Haryana 125055, India

Latitude

29.54809113°

Longitude

75.04461169°

Local 04:33:28 PM

GMT 11:03:28 AM

Altitude 154.66 meters

Wednesday, 10-11-2021



G2XV+7P7 Harbal park in CDLU, Chaudhary Devi Lal University, Sirsa, Haryana 125055, India

Latitude

29.5483128°

Local 04:30:25 PM

GMT 11:00:25 AM

Longitude

75.04381064°

Altitude 154.88 meters

Wednesday, 10-11-2021



 GPS Map
Camera Lite

G2XV+7P7 Harbal park in CDLU, Chaudhary Devi Lal
University, Sirsa, Haryana 125055, India

Latitude

29.54831281°

Local 04:30:26 PM

GMT 11:00:26 AM

Longitude

75.04381079°

Altitude 154.89 meters

Wednesday, 10-11-2021



 **GPS Map**
Camera Lite

G2XV+7P7 Harbal park in CDLU, Chaudhary Devi Lal University, Sirsa, Haryana 125055, India

Latitude
29.54838706°

Longitude
75.0439692°

Local 04:30:53 PM
GMT 11:00:53 AM

Altitude 154.05 meters
Wednesday, 10-11-2021



 **GPS Map**
Camera Lite

22/95, Prem Nagar, Sirsa, Haryana 125055, India

Latitude

29.55157944°

Local 04:48:27 PM

GMT 11:18:27 AM

Longitude

75.03294538°

Altitude 153.13 meters

Wednesday, 10-11-2021



 GPS Map
Camera Lite

22/95, Prem Nagar, Sirsa, Haryana 125055, India

Latitude
29.55167658°

Longitude
75.03294808°

Local 04:50:59 PM
GMT 11:20:59 AM

Altitude 151.23 meters
Wednesday, 10-11-2021



GPS Map
Camera Lite

22/95, Prem Nagar, Sirsa, Haryana 125055, India

Latitude
29.551619°

Longitude
75.0327182°

Local 04:49:57 PM
GMT 11:19:57 AM

Altitude 154.68 meters
Wednesday, 10-11-2021



GPS Map
Camera Lite

22/95, Prem Nagar, Sirsa, Haryana 125055, India

Latitude

29.55150507°

Longitude

75.03297962°

Local 04:48:12 PM

GMT 11:18:12 AM

Altitude 151.51 meters

Wednesday, 10-11-2021



 **GPS Map**
Camera Lite

22/95, Prem Nagar, Sirsa, Haryana 125055, India

Latitude

29.55168147°

Longitude

75.03294611°

Local 04:50:57 PM

GMT 11:20:57 AM

Altitude 151.15 meters

Wednesday, 10-11-2021



GPS Map
Camera Lite

22/95, Prem Nagar, Sirsa, Haryana 125055, India

Latitude

29.55157047°

Local 04:51:46 PM

GMT 11:21:46 AM

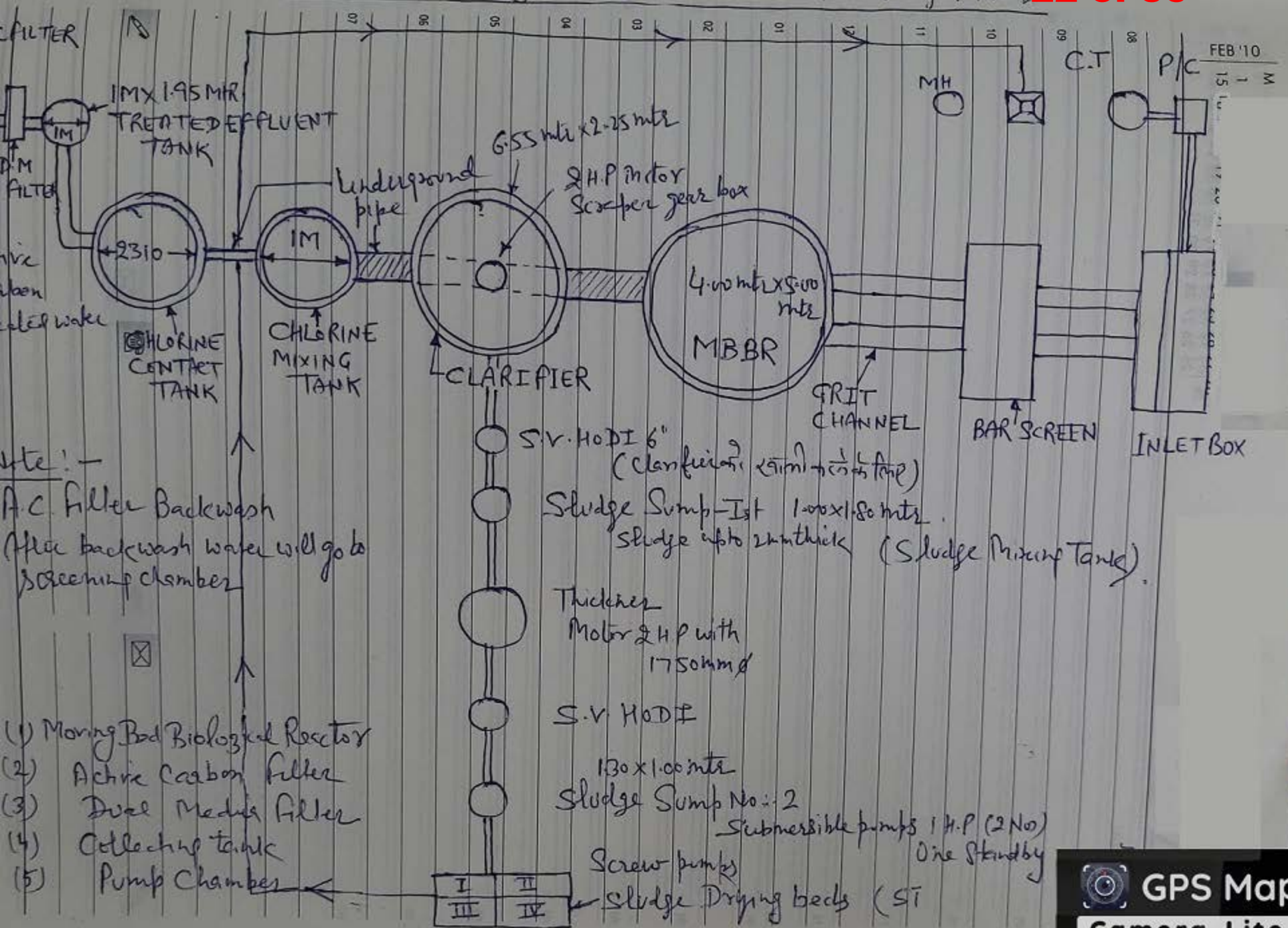
Longitude

75.03296264°

Altitude 151.81 meters

Wednesday, 10-11-2021

Flow Diagram of Sewage Treatment Plant of 1 MLD 22 of 56



G2XW+CQP, Chaudhary Devi Lal University, Sirsa, Haryana 125055, India

Latitude

29.54819088°

Local 10:58:30 AM

GMT 05:28:30 AM

Longitude

75.04754442°

Altitude 159.89 meters

Thursday, 11-11-2021



GPS Map
Camera Lite

22/95, Prem Nagar, Sirsa, Haryana 125055, India

Latitude

29.55160346°

Longitude

75.03276159°

Local 04:49:13 PM

GMT 11:19:13 AM

Altitude 155.06 meters

Wednesday, 10-11-2021



GPS Map
Camera Lite

22/95, Prem Nagar, Sirsa, Haryana 125055, India

Latitude
29.55142284°

Longitude
75.03303787°

Local 04:47:53 PM
GMT 11:17:53 AM

Altitude 152.88 meters
Wednesday, 10-11-2021



GPS Map
Camera Lite

22/95, Prem Nagar, Sirsa, Haryana 125055, India

Latitude

29.5516185°

Local 04:50:06 PM

GMT 11:20:06 AM

Longitude

75.03271994°

Altitude 155.42 meters

Wednesday, 10-11-2021



 **GPS Map**
Camera Lite

22/95, Prem Nagar, Sirsa, Haryana 125055, India

Latitude

29.55170321°

Longitude

75.03294907°

Local 04:51:25 PM

GMT 11:21:25 AM

Altitude 153.3 meters

Wednesday, 10-11-2021



G2XV+7P7 Harbal park in CDLU, Chaudhary Devi Lal University, Sirsa, Haryana 125055, India

Latitude

29.54838057°

Local 04:28:50 PM

GMT 10:58:50 AM

Longitude

75.04394354°

Altitude 158.1 meters

Wednesday, 10-11-2021



GPS Map
Camera Lite

G2XV+7P7 Harbal park in CDLU, Chaudhary Devi Lal University, Sirsa, Haryana 125055, India

Latitude

29.54843092°

Local 04:29:17 PM

GMT 10:59:17 AM

Longitude

75.04389502°

Altitude 153.31 meters

Wednesday, 10-11-2021



 GPS Map
Camera Lite

G2XV+7P7 Harbal park in CDLU, Chaudhary Devi Lal University, Sirsa, Haryana 125055, India

Latitude

29.54837921°

Longitude

75.04394697°

Local 04:31:32 PM

GMT 11:01:32 AM

Altitude 154.27 meters

Wednesday, 10-11-2021



GPS Map
Camera Lite

22/95, Prem Nagar, Sirsa, Haryana 125055, India

Latitude

29.55138494°

Longitude

75.0330596°

Local 04:47:42 PM

GMT 11:17:42 AM

Altitude 152.72 meters

Wednesday, 10-11-2021

CONSTRUCTION BRANCH, CDLU, SIRSA

Sr. No.74, Metric 7.1.4 Water Conservation Facilities Available in the Institution 2

Detail of Borewell at CDLU, Sirsa.

Sr. No.	Name of Building	No. of Bore Well	Allotment No.	Date of Start	Date of Completion	Remarks
1	Tagore Bhawan	1	EE/07/3507, Dated 01.05.2007	01.05.2007	30.04.2009	Work was executed with main work of Construction of Teaching Block No. 2 (Science Block) at CDLU, Sirsa.
2	Extension of Tagore Bhawan	1	EE/18/370-74, Dated 30.03.2018	30.03.2018	29.03.2019	Work was executed with main work of Construction of Class Room Seminar Hall near Tagore Bhawan at CDLU, Sirsa.
3	C.V Raman Bhawan	4	EE/07/3507, Dated 01.05.2007	01.05.2007	30.04.2009	Work was executed with main work of Construction of Teaching Block No. 2 (Science Block) at CDLU, Sirsa.
4	Teaching Block No. 4	4	EE/18/750-55, Dated 14.05.2018	04.06.2018	18.12.2020	Work was executed with main work of Construction of Teaching Block No. 4 at CDLU, Sirsa.
5	Teaching Block No. 3	2	EE/15/504-508, Dated 24.03.2015	24.03.2015	08.09.2016	Work was executed with main work of Construction of Teaching Block No. 3 at
6	Information Centre & Guidance Bureau	1	EE/18/1871-76, Dated 22.05.2018	12.06.2018	11.06.2019	Work was executed with main work of Construction of Information Centre & Guidance Bureau at CDLU, Sirsa.
7	Vivekananda Library	2				Installed by the Assistant Geocogist Ground Water Cell, Sirsa.
8	Multi Purpose Hall	5	EE/08/9055 Dated 11.9.2008	11.9.2008	30.06.2014	Work was executed with main work of Construction of Multi - Purpose Hall at CDLU, Sirsa
9	Extension Boys Hostel No. - 1	1	EE/18/358-63, Dated 30.03.2018	30.03.2018	29.03.2019	Work was executed with main work of Construction of Extension of Boys Hostel No. 1 at CDLU, Sirsa

Executive Engineer
Construction Branch
CDLU, Sirsa-125055

10	Girls Hostel No. - 3	2	EE/15/S09-513; Dated 24.03.2015	24.03.2015	07.09.2016	Work was executed with main work of Construction of Girl Hostel No.3 at CDLU, Sirsa
11	Herbal Park	1	EE/18/302, Dated 27.08.2018	27.08.2018	26.08.2019	Work was executed with main work of Construction of Herbal Park at CDLU, Sirsa.

Rough Cost Estimate Amounting to Rs. 100.09 lacs for Construction of Rain Harvesting Systems at remaining buildings is under process.

[Signature]
SOE 4

[Signature]
JE 2

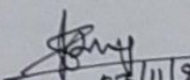
[Signature]
03/11/21
Executive Engineer
Construction Branch
CDLU, Sirsa-125055

CONSTRUCTION BRANCH, CDLU, SIRSA

Sr. No.74, Metric 7.1.4 Water Conservation Facilities Available in the Institution |

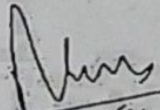
Detail of Rain Water Harvesting at CDLU, Sirsa.

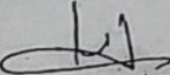
Sr. No.	Name of Building	No. of Rain Harvesting System	Allotment No.	Date of Start	Date of Completion	Remarks
1	Tagore Bhawan	1	EE/97/3507, Dated 01.05.2007	01.05.2007	30.04.2009	Work was executed with main work of Construction of Teaching Block No. 2 (Science Block) at CDLU, Sirsa.
2	Extension of Tagore Bhawan	1	EE/18/370-74, Dated 30.03.2018	30.03.2018	29.03.2019	Work was executed with main work of Construction of Class Room Seminar Hall near Tagore Bhawan at CDLU, Sirsa.
3	C V Raman Bhawan	4	EE/97/3507, Dated 01.05.2007	01.05.2007	30.04.2009	Work was executed with main work of Construction of Teaching Block No. 2 (Science Block) at CDLU, Sirsa.
4	Teaching Block No. 4	4	EE/18/750-55, Dated 14.05.2018	04.06.2018	18.12.2020	Work was executed with main work of Construction of Teaching Block No. 4 at CDLU, Sirsa.
5	Teaching Block No. 3	2	EE/15/504-508, Dated 24.03.2015	24.03.2015	08.09.2016	Work was executed with main work of Construction of Teaching Block No. 3 at
6	Information Centre & Guidance Bureau	1	EE/18/1871-74, Dated 22.05.2018	22.06.2018	11.06.2019	Work was executed with main work of Construction of Information Centre & Guidance Bureau at CDLU, Sirsa.
7	Vivekananda Library	2	.	.	.	Installed by the Assistant Geologist Ground Water Cell, Sirsa.
8	Main Purpose Hall	4	EE/08/9055 Dated 11.9.2008	11.9.2008	30.06.2014	Work was executed with main work of Construction of Multi - Purpose Hall at CDLU, Sirsa.
9	Extension Boys Hostel No. -1	1	EE/18/558-63, Dated 30.03.2018	30.03.2018	19.03.2019	Work was executed with main work of Construction of Extension of Boys Hostel No. 1 at CDLU, Sirsa.

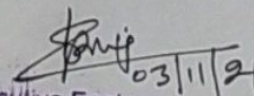

 03/11/21
 Executive Engineer
 Construction Branch
 CDLU, Sirsa-125055

10	Girls Hostel No. - 3	2	EE/15/509-513, Dated 24.03.2015	24.03.2015	07.09.2016	Work was executed with main work of Construction of Girl Hostel No.3 at CDLU, Sirsa
11	Herbal Park	1	EE/18/302, Dated 27.08.2018	27.08.2018	26.08.2019	Work was executed with main work of Construction of Herbal Park at CDLU, Sirsa.

Rough Cost Estimate Amounting to Rs. 100.09 lacs for Construction of Rain Harvesting Systems at remaining buildings is under process.


SDE


JE (C)


03/11/21
Executive Engineer
Construction Branch
CDLU, Sirsa-125055

CHAUDHARY DEVI LAL UNIVERSITY SIRSA

(Established by the State Legislature Act 9 of 2003)

No. EE/18/ 290

Dated: 14/8/18

Letter of Acceptance

To

M/s. A.S. Construction Company,
189/4, Agarsain Colony, Sirsa (Hry)-125055.
Email : aseconstm.648@gmail.com

Subject: Construction of Herbal Park at CDLU Sirsa (under budget head RUSA i.e. Rs. 80.00 lakh & remaining under construction works).

Apprx. Cost: Rs. 2,50,75,200/-

Dear Sir,

This is to notify that your Bid dated 30.05.2018 and subsequent undertaking dated 27.07.2018 regarding negotiation of rates for execution of the work "Construction of Herbal Park at CDLU Sirsa (under budget head RUSA)" amounting to Rs. 2,50,75,200/- (Rs. Two crore fifty lakh seventy five thousand two hundred only), in accordance with the Instructions to Bidders laid down in the tender document is hereby accepted by the University on the following rates, terms and conditions :-

HSR Items :-

Sr. No.	Description	Rate
1	All HSR items i.e. Civil + P.H. + Horticulture + Electrical work (Rs. 12579061.29)	(HSR+CP) + 1.86% above
	Total amount of all HSR items as per quoted rates	Rs. 12813031.83

NS Items :-

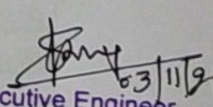
Sr. No.	HSR Ref.	Description	Qty.	Unit	Rate	Total Amount
Civil Work						
1	NS	Providing, laying, spreading and compacting of stone aggregates stone salling 63 - 45 mm as per DNIT item No. 32 of civil work	49.78	Cum	1462	72778.36
2	NS	Providing, laying, spreading and compacting of stone aggregates stone metal 53 - 22.4us per DNIT item No. 33 of civil work	48.72	Cum	1502	73177.44
3	NS	Making, providing and fixing of stone sculpture in different sizes attractive shapes-cubes as per DNIT item No. 34 of civil work	19	No.	14175	269325.00
4	NS	Making, providing and fixing of stone sculpture in different sizes attractive shapes-cubes as per DNIT item No. 35 of civil work	19	No.	14175	269325.00

1

[Signature] 03/11/21
Executive Engineer
Construction Branch
CDLU, Sirsa-125055

467

Sr. No.	HSR Ref.	Description	Qty.	Unit	Rate	Total Amount
5	NS	Texture coating (Rustic rings) by applying base coat primer with acrylic as per DNIT Item No. 36 of civil work	358.41	Sqm	284	101788.44
6	NS	Providing and fixing of GRC in trellis, musical fountain & gathering area, chemical seasoned and treated GRC as per DNIT Item No. 37 of civil work	66.98	Sqm	4294	287612.12
7	NS	Providing and fixing 16 to 18mm thick gang saw cut mirror polished red black/eye granite stone as per DNIT Item No. 38 of civil work	401.82	Sqm	3015	1211487.30
8	NS	Same as above, extra for air brushing and framing as per DNIT item No. 39 of civil work	401.82	Sqm	495	198900.90
9	NS	Extra for prefinished nosing to steps of treads/slabs edging with nosing 35mm as per DNIT item No. 40 of civil work	689.78	Mtr	144	99328.32
10	NS	Providing & fixing of White River (Stone) Pebbles size of 2" to 2.50" dia as per DNIT Item No. 41 of civil work	527.9	Oil	405	213799.50
11	NS	Providing and applying coats of Wooden Texture with Exterior Paint (GRC Pergola) as per DNIT item No. 42 of civil work	7.74	Sqm	360	2786.10
12	NS	Extra for Acid wash stone of approved make as per DNIT item No. 43 of civil work	3.52	Sqm	270	950.40
13	NS	Providing & fixing fibres Reinforced finished concrete tiles above Gazebo (02) as per DNIT item No. 44 of civil work	22.68	Sqm	900	20412.00
14	NS	Providing and Fixing Duragrace Tiles of approved make in flooring laid in any pattern as specified over base of 20mm as per item No 45 civil work	2566.81	Sqm	900	2310129.00
15	NS	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3 mm thick water proofing as per DNIT item No. 47 of civil work	2292.6	Sqm	324	742802.10
16	NS	Providing and fixing G.I chain link fabric fencing of required width in mesh size 50x50 mm Made of G.I. Wire of Dia 4mm as per DNIT item No. 48 of civil work	948.90	Sqm	454	430802.12
		Total of NS items Civil work				6305405.00
<u>Horticulture Work</u>						
1	NS	Supplying & fixing Each bench consists of 2 no. I-shape base as per DNIT Item No. 5 of Horticulture works	19	No.	6750	128250.00
2	NS	Supplying & fixing Consists of 2 Nos. Base support in grey cement concrete, Table of size: 1000mm as per DNIT Item No. 6 of Horticulture works	10	No.	6750	67500.00
3	NS	Planting best quality container-grown healthy trees as per DNIT Item No. 7 of Horticulture works				


 Executive Engineer
 Construction Branch
 CDLU, Sirsa-125055

- 71 -

Sr. No.	HSR Ref.	Description	Qty.	Unit	Rate	Total Amount
	i	Calotropis Gignita	2	Each	21	42.00
	ii	Lawsonia Inermis	4	Each	31	124.00
	iii	Mimusops Elengi	1	Each	42	42.00
	iv	Patrajiva Roxburghii	1	Each	104	104.00
	v	Commiphora Mukul	5	Each	72	360.00
	vi	Ammonum Aromaticum	3	Each	63	189.00
	vii	Grewia Asiatica	2	Each	42	84.00
	viii	Saraca Indica	2	Each	104	208.00
	ix	Arthocedphalus Indica	1	Each	31	31.00
	x	Nyctanthes Arbor	1	Each	31	31.00
	xi	Ficus Palmata	11	Each	52	572.00
	xii	Adenocalymma Nitidum	2	Each	36	72.00
	xiii	Cinnamomum Camphora	1	Each	36	36.00
	xiv	Prosopis Spicigera	3	Each	42	126.00
	xv	Alstonia Scholaris	3	Each	83	249.00
	xvi	Murraya Koenigii	4	Each	26	104.00
	xvii	Bauhinia Variegata	2	Each	31	62.00
	xviii	Terminalia Belerica	2	Each	51	102.00
	xix	Emblca Officinalis	1	Each	42	42.00
	xx	Ocimum Basilicum	2	Each	10	20.00
	xxi	Piper Longum	1	Each	52	52.00
	xxii	Psidium Guajava	2	Each	42	84.00
	xxiii	Citrus Aurantifolia	12	Each	36	432.00
	xxiv	Date palm 10' ht	10	Each	1800	18000.00
	xxv	Fox tail palm 10' ht	10	Each	810	8100.00
	xxvi	Sicus palm 2' ht	15	Each	450	6750.00
	xxvii	Royal Palm	6	Each	104	624.00
	xxviii	Bamboo palm 4' ht	50	Each	45	2250.00
4	NS	Supply and plantation Planting best quality pot-grown healthy shrubs as per DNIT Item No. 8 of Horticulture works				
	i	Cassia Augustifolia	9	Each	42	378.00
	ii	Syzygium Cummi	12	Each	31	372.00
	iii	Terminalia Arjuna	14	Each	42	588.00
	iv	Jasminum Samboc	27	Each	21	567.00
	v	Bacopa Monieri	5	Each	42	210.00
	vi	Cinnamomum Tamla	28	Each	52	1456.00
	vii	Boerhavia diffusa	5	Each	52	260.00
5	NS	Preparing planting beds for ground cover planting by excavating as per DNIT Item No. 9 of Horticulture works	6633.63	Sqm	3.46	22952.36

Executive Engineer
Construction Branch
CDLU, Sirsa-125055

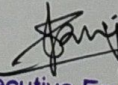
-42-

Sr. No.	HSR Ref.	Description	Qty.	Unit	Rate	Total Amount
6	NS	Planting best quality pot-grown healthy ground cover plants of species specified as per DNIT item No. 10 of Horticulture works.				
	i	Glycyrrhiza Glabra	33	Each	36	1188.00
	ii	Withania Somnifera	220	Each	31	7099.00
	iii	Acorus Calamus	92	Each	52	4784.00
	iv	Cymbopogon Citratus	228	Each	31	7068.00
	v	Urginea Maritima	58	Each	42	2436.00
	vi	Stevia Rebaudiana	52	Each	36	1872.00
	vii	Amaranthus Caudatus	56	Each	72	4032.00
	viii	Byrophyllum Calycinum	22	Each	21	462.00
	ix	Rauwolfia Serpentina	116	Each	42	4872.00
	x	Curcuma Amada	22	Each	52	1144.00
	xi	Organum Vulgare	40	Each	21	840.00
	xii	Catheranthus Roseus	20	Each	21	420.00
	xiii	Boerhavia Diffusa	76	Each	63	4788.00
	xiv	Euphorbia Thymifolia	66	Each	42	2772.00
	xv	Withania Somnifera	20	Each	31	620.00
	xvi	Anacyelus Pyrethrum	46	Each	52	2392.00
	xvii	Aloe Barbadosensis Mill	41	Each	72	2952.00
	xviii	Phyllanthus Niruri	12	Each	63	756.00
	xix	Abutilon Indicum	9	Each	154	1386.00
	xx	Salvadora Oleoides	151	Each	52	7852.00
	xxi	Acacia Concinna De	152	Each	52	7904.00
	xxii	Panicum Antidotall	226	Each	63	14238.00
	xxiii	Curcuma Lona	144	Each	42	6048.00
	xxiv	Ablemoschus Moschotus	30	Each	83	2490.00
7	NS	Supplying, installing, testing and commissioning of sub surface drip irrigation system including all the material as per DNIT item No. 11 of Horticulture works	1	Job Work	610180	610180.00
8	NS	SITC monoblock pump 7.5HP, to draw water from U.G.W.T and supply to automatic Isrel-based drip irrigation system as per DNIT item No. 12 of Horticulture works	1	Each	37800	37800.00
		Total of NS items Horticulture work				999820.36
		Public Health Work				
1	NS	Providing and fixing in position 15 mm inlet connection angle valve with 375 mm 450 mm long connection pipe as per DNIT item No. 21 of P/H work	3	Each	180	540.00

Executive Engineer
Construction Branch
CDLU, Sirsa-125055

43-

Sr. No.	HSR Ref.	Description	Qty.	Unit	Rate	Total Amount
2	NS	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply as per DNIT item No. 22 of PH work				
		15 mm dia ID (Inner dia)	10	Mtr.	128	1280.00
		20 mm dia ID -do-	5	Mtr.	162	810.00
		50 mm dia ID -do-	5	Mtr.	491	2470.00
3	NS	Providing & fixing in position UPVC soil, waste or antisiphonage pipes as per DNIT item No. 23 of PH work				
	(a)	100 mm ID	15	Mtr.	324	4860.00
	(b)	75mm ID	30	Mtr.	239	7170.00
4	NS	Providing and fixing 8mm dia C.P./S.S. Jct ns per DNIT item No. 24 of PH work	1	Each	229	229.00
5	NS	Provision, installation, testing and commission of musical fountain as per DNIT item No. 25 of PH work	1	No.	500000	500000.00
6	NS	Providing & Fixing Outer area Dustbin capacity SOL. Dustbin Size 410x410x915.as per DNIT item No. 26 of PH work	20	No.	585	11700.00
		Total of NS items P.H. Work				529059.00
Electrical work						
1	NS	Supply, installation, testing & commissioning of low carbon high tensile copper bonded rods as per DNIT Item No 16 of EI work	6	Each	6576	39456.00
2	NS	Supplying, installation, testing & Commissioning of All Lights fixtures shall be complete with LED lamps complete with all required accessories as per DNIT Item No 17 of EI work				
	(a)	9-watt LED Bollards	30	Each	5826	174780.00
	(b)	40W LED Light, suitable for mounting on existing 4Mtr High pole.	30	Each	9128	273840.00
	(c)	25W LED Post Top Light, suitable for mounting on existing 3 Mtr High pole.	70	Each	10510	735700.00
	(d)	LED Circular shape PROJECTOR Light 04 watt	180	Each	2021	363780.00
	(e)	LED Circular shape PROJECTOR Light 12 watt	35	Each	4299	150465.00
	(f)	3W LED Colum light up & down in 3000 kelvin 2x1 watt, 100 lm/watt With cree LED	140	Each	1962	274680.00
	(g)	9W Under water light in RGB	40	Each	10627	425080.00
	(h)	DMX controller for RGB under water light up to 150 watt output.	3	Each	13671	41013.00
	(i)	Driver for RGB under water light up to 60 watt output.	40	Each	3836	153440.00
	(j)	4 mtr. Pole with single drop down 1000 mm Decorative bracket to install	30	Each	18206	546180.00
	(k)	3 mtr. Pole to install 1 nos. existing 25 watt LED post top light fixture	70	Each	11619	813330.00


 03/11/24
 Executive Engineer
 Construction Branch
 CDLU, Sirsa-125055

Sr. No.	HSR Ref.	Description	Qty.	Unit	Rate	Total Amount
	(l)	11W Mirror Light having the lumen output of 1210	1	Each	564	564.00
	(m)	15W Surface mounted round shaped LED down light	5	Each	2063	10315.00
	(n)	18W Wall mounted LED fitting complete with tube road 4' long batten	2	Each	1907	3814.00
	(o)	Supply of Ceiling Fan of 1200 mm sweep with 5 min rating	1	Each	1879	1879.00
	(p)	Supply and erection of single phase propeller type heavy duty ventilating fan (exhaust fan)	2	Each	3405	6810.00
3	NS	600mm dia & 600 mm high MS cage for protection as per DNIT item No 18 of EI work	215	Each	720	154800.00
4	NS	Supply, installation, testing and commissioning of front operated, front access, totally enclosed, free standing, dust and vermin proof Panel as per DNIT item No 19 of EI work	3	Set	85986	257958.00
		Total of NS items EI Work				4127881.00
		Total of NS items Civil + Hort. + PII + EI Works				12262168.36
		Total of All HSR items (Civil + PII + EI work) + 1.86%				12813031.83
		G, Total of All HSR and NS items (Civil + Hort. + PII + EI work)				25075200.19

CONDITIONS

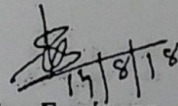
- 6% security will be deducted from running bills subject to a maximum 5% of the agreement / enhanced amount. The same will be refunded as under:
One-half of the security deposit will be refunded on completion of the work as certified by the Engineer-in-Charge provided the final bill is for a plus amount and balance 50% security shall be refunded after completion of defects liability period of 3 years from the date of completion of work which shall be considered as the date certified by the Engineer-In-Charge.
- The time limit for completion of this work shall be 12 months from the date of issue of letter to proceed with work.
- Work will be done as per DNIT.
- Work can be increased or decreased.
- Deduction of all taxes and surcharge will be made as per Govt./CDLU rules from time to time.
- Firm will be responsible for any damage done by its labour directly or indirectly during the execution of this work.
- Labour cess @ 1% of the amount of work done shall be deducted from your running bills as well as final bills.
- A performance guarantee in the shape of bank guarantee @ 5% of the cost of allotted work i.e. Rs. 12.54 lakh be deposited in the office for a period upto defect liability period plus 60 days.
- The firm shall be paid lowest amount worked out with the rates of L-1/L-2/L-3/L-4 and so on in the running/final bills.

Executive Engineer
Construction Branch
CDLU, Sirsa-125055

10. The canal based drinking water is being supplied in the university from its water treatment plant. The contractor/agency shall make own arrangements to take water from the existing nearest water pipe line upto the site & in lieu of it charges @ 0.50% of the work done shall be deducted in case of work is executed on through rates and 1.75% for the work done in case work is executed on labour rates.

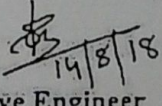
You are hereby requested to furnish Performance Security, in the form detailed in Para 34.1 of ITB for an amount equivalent to Rs. 12.54 lakh within 21 days of the receipt of this letter of acceptance valid up to 60 days from the date of expiry of defects Liability Period i.e. up to 31-10-2022 and sign the contract, failing which action as stated in Para 34.3 of ITB will be taken.

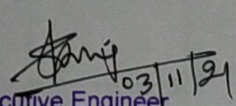
Endst.No.EE/IS/ 1409-11 Dated: 14/8/18


14/8/18
O/C Executive Engineer

Copy of the above is forwarded to the following for information and necessary action :-

1. SDE (Civil/PH) & SDE (Elect./Hort.), CDLU, Sirsa.
2. Head Draftsman, Construction Branch, CDLU, Sirsa.
3. Divisional Accountant, Construction Branch, CDLU, Sirsa.
4. Agreement file.


14/8/18
O/C Executive Engineer


03/11/21
Executive Engineer
Construction Branch
CDLU, Sirsa-125055

B CR (RUSA) 17
Grant Rest. 6/3

3rd & Final Bill (RUSA)

NAME OF WORK:- Construction of Water Storage tank and Providing Sprinkler System in lawns at CDLU, Sirsa.

Name of Agency :- M/s. Jain Irrigation System Ltd., Jalgaon.

Sanction No. :- EE/17/591-94 Dated 09.03.2017

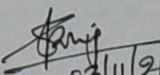
Date of Start :- 09.03.2017

Date of Comp:- 08.09.2017

Date of Billing:- 14.11.2017

Bill prepared by Sh. Parveen Kumar J.E. (Civil) Vide MII No. 471, Page No. 137 to 165

Sl.No.	HSR No.	Description	Qty	Unit	Rate (FR)	Amount
1	6.8	Excavation for pipelines running under pressure in trenches and pits, in open areas, where disposal of surplus earth is done along with the alignment including trimming & dressing sides, leveling of beds of trenches to correct grade, cutting joint holes, cutting trees and bushes, etc				
	(a)	Without timbering and shoring upto 1.5 metres depth	1339.564	100/ Cum	1030.00	13797.50
2	NS-12	Supply and laying of PVC pipe 6Kg/cm ² pressure ISI (Dplast, kisan, jain, sukhmani) make as desired by the E.I. Charge as per DNIT				
	(i)	60 mm dia socketed PVC pipe	809.85	Mtr.	626.40	507290.04
	(ii)	110 mm dia socketed PVC pipe	778.40	Mtr.	302.40	235388.16
	(iii)	90 mm dia socketed PVC pipe	793.19	Mtr.	208.80	165618.07
	(iv)	75 mm dia socketed PVC pipe	270.85	Mtr.	149.40	40464.99
	(v)	63 mm dia socketed PVC pipe	2204.93	Mtr.	108.90	240116.87
	(vi)	50 mm dia socketed PVC pipe	2047.73	Mtr.	73.80	151122.47
	(vii)	40 mm dia socketed PVC pipe	2224.75	Mtr.	52.20	116131.95
3	NS-13	Trenchless/Road crossings to cross pipes for required areas as per DNIT	260.50	Mtr.	391.50	101983.75
4	NS-22	P/F 63 mm PVC Ball Valve plain ends having flow indicator when lever is removed, security pivot to maintain lever, in space, double water tight joint, direct injection stem non mechanical, with a base which permits maximum penetration into the valve with 'Teflon Seal, Make: Jain, India as per DNIT'	71.00	Nos.	874.80	62110.80
5	NS-29	S/P of valve box on all valves and Quick Coupling Valves. The valve box is made of heavy duty plastic with green top. Make: Jain, India as per DNIT'				
		10" Round Valve Box	77.00	Nos.	771.30	59390.10
		6" Round Valve Box	31.00	Nos.	231.90	7281.90


 03/11/21
 Executive Engineer
 Construction Branch
 CDLU, Sirsa-125055

		Earth work in excavation in foundations, trenches of under ground structures sillage drains, etc., and other similar works in ordinary soil including Dressing of bottom and sides, to correct levels and templates, cutting of trees and bushes, dewatering of rain water, diversion of traffic, fixing and maintenance of caution boards, and night signals, crossing over Trenches for access to houses, watching stacking of excavated soil, clear from the edge of excavation, and subsequent filling, where required around Masonry, in 15 cm layers, with compaction and disposal of surplus Soil as directed within a lead of 30 metres for depth upto 2 METRES BELOW NATURAL GROUND LEVEL (For Public Health works only)	406.959	100/ Cum	932.00	3792.85
		More than 2 Mtr. to 3.3 Mtr.	264.52	100/ Cum	932.00	2465.32
7	6.2	Earth work excavation in ordinary soil exclusive of compensation of earth-				
	(c)	Lead				
	(i)	Extra for every 7.5 metres additional lead beyond 15 metres, but upto 60 metres by manual mean	264.52	100/ Cum	22.65	59.91
8	10.39 + Note (e-2)	Cement concrete 1:4:8 with stone aggregate 40 mm Nominal size in foundation and plinth.	27.163	Cum	405.65	11018.67
9	18.22	Cold twisted deformed (ribbed/lor steel) bars for R.C.C. works, where not included in the complete rate of R.C.C. including bending, binding and placing in position complete.	70.298	Qtl.	917.05	64466.78
10	10.90+ 10.95(a)	10.90. Cement concrete 1:1.5:3 with stone aggregate 20 mm nominal size for reinforced concrete work in footings, strips, foundations, beams, rfts, pedestals and approach slabs of bridges etc., excluding steel reinforcement + extra over Item Nos. 10.79 to 10.94, if 1:1 1/2:3 mix is used, instead of 1:2:4	30.69	Cum	780.00	23938.20
11	NS-39	P/L joint water stopper made of best quality rubber having size 230mm wide and 3-4mm thickness as per DNIT	88.00	Mtr.	200.00	17600.00
12	NS-40	Extra for mixing water proofing compound of Dr. fixit IS-2645 (200 Ml/per 50Kg bag of cement) in concrete during the execution of RCC Work as per DNIT	92.23	Ltr.	75.00	6917.25
13	10.864 10.95(a)	Cement concrete 1:1.5:3 with stone aggregate 20 mm nominal size for reinforced concrete work for walls exceeding 20 cm thickness + extra over Item Nos. 10.79 to 10.94, if 1:1 1/2:3 mix is used, instead of 1:2:4	3.486	Cum	1188.73	4143.98
14	10.87+ 10.95(a)	Cement concrete 1:1 1/2:3 with stone aggregate 20 mm nominal size for reinforced concrete work for walls (10 cm to 20 cm thickness) + extra over Item Nos. 10.79 to 10.94, if 1:1 1/2:3 mix is used, instead of 1:2:4	21.708	Cum	1486.90	32277.62

Executive Engineer
Construction Branch
CDLU, Sirsa-125055

14		P/F Gear Driven Pop up sprinkler (full/part) (Seal-A-Matic model capable of covering 12 - 21m at 2.5 - 6.5 Bars with a discharge rate of 0.23-1.95 lps. The overall pop-up height shall be 4 inch. The sprinkler shall have a pressure activated wiper seal, screen attached to that drive housing to filter inlet water, 1" bottom inlet, stainless steel retract spring, stainless steel adjusting screw capable of reducing the radius up to 25%. The body of sprinkler shall be constructed of heavy-duty, UV-resistant plastic. The sprinkler shall have interchangeable nozzles. Make: Hunter, USA as per DNIT	372.00	Nos.	2364.30	879519.60
16	NS-15	P/F 1" Pop up Connecting Assembly. The tubing shall be made of polyethylene having wall thickness of 2.3mm, a working pressure of 5.5 kg/cm ² at 43°C and a surge pressure of 16.6 kg/cm ² . The fittings shall be made of UV resistant thermoplastic. Make: Jain, India as per DNIT	372.00	Nos.	396.90	147646.80
17	15.4 + 15.75	12 mm thick cement plaster 1:3 + Cement rendering on plaster 1 mm thick.	416.34	Sqm.	19.25	8014.54
18	NS-16	P/F Raingun Full circle with jet breaker 1.25" BSP threaded, radius 28m-30m flow 3.57, operating pressure -4 Kg/cm ² , N-12 as per DNIT	3.00	Nos.	4409.10	13227.30
19	NS-17	P/F Raingun Half circle with jet breaker 1.25" BSP threaded, radius 28m-30m flow 3.57, operating pressure -4 Kg/cm ² , N-12 as per DNIT	2.00	Nos.	5494.50	10989.00
20	NS-18	P/F Self closing spring loaded Aluminum Quick Coupling Valve of Size 1.25" Female along with all Fittings and Accessories. The Cover should Thermoplastic Poly Vinyl Chloride. Make: Jain, India as per DNIT	35.00	Nos.	950.40	33264.00
21	NS-23	P/F C.I. Butterfly Valves of 4" sizes with flow indicator when lever is removed with security pivot to maintain lever in position to isolate the Mainline for any particular area in case of an emergency, Make: LP/Audco as per DNIT	10.00	Nos.	3997.80	39975.00
22	NS-38	S/F of PVC Service Saddles as per requirement of sprinklers & Pipes in their respected areas, Make: Jain, India as per DNIT				
	ii	Service Saddles 110 mm x 1"	13.00	Mtr.	169.20	2199.60
	iii	Service Saddles 75 mm x 1"	17.00	Nos.	132.30	2249.10
	iv	Service Saddles 63 mm x 1"	141.00	Nos.	116.10	16370.10

03/11/21
 Executive Engineer
 Construction Branch
 CDLU, Sirsa-125055

		Service Saddles 50 mm x 1"	104.00	Nos.	97.20	10108.80
		Service Saddles 40 mm x 1"	144.00	Nos.	95.40	13737.60
NS-33		S/M/C/T of Mono Block Pump of 11.2 lps capacity with head of 74 metres with 65 mm suction & delivery size, CI casing & Impellers, Make: Kirloskar as per DNIT	3.00	Nos.	75376.80	226130.40
24	10.82 + 10.95(a)	Cement concrete 1:1½:3 with stone aggregate 20 mm nominal size for reinforced concrete work in slabs with inclination not exceeding 25 degree with horizontal, + extra over Item Nos. 10.79 to 10.94, if 1:1 ½:3 mix is used, instead of 1:2:4	20.828	Cum	1084.80	22594.21
25	18.12.	Wrought iron and mild steel (using angles, flats square bars, tees and channels) ladders, grills, grating frames, window guards, iron doors openable or fixed stair case or parapet or any other type of railing, gates and tree guards etc., including cost of screws and welding rods or bolts and nuts complete fixed in position.	4.775	Qtl.	1040.35	4967.67
26	New NS	Providing and Fixing Precoated galvanized profile sheet 0.45 mm thick	68.43	Sqm.	551.00	37704.93
27	16.9 + 16.3	Applying priming coat with metal primer on New steel or iron work including preparation of surface. + 16.3. Painting two coats excluding priming coat with synthetic enamel paint in all shades on new wood work or metallic or plastered or concrete surfaces to give an even shade. (1st Quality)	26.05	Sqm.	12.55	326.92
28	6.13.(n)	earth filling under floors with surplus soil, excavated from foundation and taken only from outside the building plinth, in 15 cm layers, including ramming watering and consolidating lead upto 30 metres.	223.826	100/ Cum	343.40	768.61
29	NS-21	P/P 3/4" Pop up Connecting Assembly. The tubing shall be made of polyethylene having wall thickness of 2.3 mm, a working pressure of 5.5 kg/cm ² at 43°C and a surge pressure of 16.6 kg/cm ² . The fittings shall be made of UV resistant thermo plastic. Make: Jain, India as per DNIT	8.00	Nos.	198.90	1591.20
30	NS-20	P/P Pop-up Rotary type sprinkler of heavy duty plastic / non-corrosive & UV resistant body suitable for a throw of approx. 10 to 13 in radius at operating pressure of approx. 2.0 to 4 kg/cm ² , with adjustable type Pull / Part circle with Inlet Filter screen, adjustable arm complete as per requirement. Make: NAAN DAN JAIN, Israel as per DNIT	8.00	Nos.	756.90	6055.20

Executive Engineer
Construction Branch
CDLU, Sirsa-125055

Executive Engineer

NS-30	P/F Sand filter of capacity 80 m ³ /hr. to remove the organic particles, impurities present in the water source. The media of filtration should be of silica-crushed sand of particle size 0.7 to 1.2 mm with 98.8 % purity, made of high quality pre-treated and epoxy polyester powder coated steel tanks, (120 mesh) having an inlet & an outlet connections of 4", 2 pressure gauge ports of 1/2" with backwash arrangement complete. Make: Jain, India as per DNIT	1.00	Nos.	95343.30	95343.30	
32	NS-31	P/F Disc filter 40 m ³ /hr. having an inlet & one outlets connections of 2.5", 2 pressure gauge ports of 1/4", made of mildsteel and coated with 70 micron deep Blue coloured epoxy powder from both inside and outside. The filtering element is Screen of mesh size 100 micron, flow direction from outside of element to inside, "Y" shaped having two location for drain valve with maximum operating pressure of 10 kg/cm ² Make: Jain, India as per DNIT	2.00	Nos.	6389.10	12778.20
33	NS-34	S/I/C/T of Electrical Starter Panel for 20 HP Pumps with phase indicating lights, Single phase preventor, Ammeter & Voltmeter, connecting cables (from Starter to pumps) etc., Make: L&T as per DNIT	3.00	Nos.	30015.00	90045.00
34	31.25.	Supply and erection of under ground cable 1 metre below ground level covered with sand and bricks including necessary connections, digging and refilling of trenches:-				
	(xxix)	95 sq mm 3 1/2 Core cable (Armour)	195.50	Mtr.	135.50	26490.25
35	NS-35	P/F G.I. Suction & delivery pipe 2.5" In size, "B" Class with necessary accessories complete, Make: Jindal/Tata as per DNIT	24.70	Mtr.	1254.60	30988.62
36	NS-32	P/F Pressure Gauges with glycerine filled 2" Dial. Brand: Jain/ Equivalent as per DNIT	2.00	Nos.	475.20	950.40
37	NS-25	P/F Pilot pressure Relief Valve size 2" alongwith all necessary fittings, body shall of brass construction with maximum upstream pressure 20.0 kg/cm ² , Maximum relief setting 12kg/cm ² & minimum relief setting shall be 0.5 kg/cm ² . Make: Jain/Bermad/Equivalent as per DNIT	1.00	Nos.	11984.40	11984.40
38	NS-27	P/F 3/4" Brass Quick Coupling Valve Key Mule, Make: Jain, India as per DNIT	1.00	Nos.	276.30	276.30
39	NS-37	P/F C.I. Suction Foot Valves 2.5", Make: Kirloskar/Equivalent as per DNIT	3.00	Nos.	1637.10	4911.30
40	31.22	Earthing				

[Signature]
Executive Engineer
Construction B
CDLU, Sirsa-1

[Signature]
Executive Engineer
Construction Bra

	1.00	Nos.	1149.00	1149.00
Supply and erection of 20 mm x 3 mm thick including lock over plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required.	1.00	Nos.	186.00	186.00
Supply and erection of 20 mm x 3 mm thick Copper tape fixed with suitable G.I samples of same size.	19.00	Mtr.	60.00	1140.00
P/F Self closing spring loaded Brass Quick Coupling Valve of Size 3/4" Female along with all Fittings and Accessories. The Cover should Thermoplastic Poly Vinyl Chloride. Make: Jain, India as per DNIT	17.00	Nos.	589.50	10021.50
P/F C.I Non Return Valve 2.5" sizes as per DNIT	3.00	Nos.	3775.50	11326.50
P/F Double Acting Air Release Valve Made of Engineering Plastic 1" size. The Air release valve is capable of both releasing and admitting air from and into the line. The Working Pressure is 10 bar. Make: Jain, India as per DNIT	4.00	Nos.	601.20	2404.80
P/F 1.25" G.I Quick Coupling Valve Key Make: Jain, India as per DNIT	6.00	Nos.	342.90	2057.40
P/F 3/4" x 3/4" Brass Swivel Elbow, Make: Jain, India as per DNIT	1.00	Nos.	326.70	326.70
			Total	3647202.43
Add CP 370% on item No. 1, 6, 28 = 20824.28				77049.83
Add CP 425% on item No. 7 = 59.91				254.61
Add CP 230% on item No. 27 = 326.92				751.91
Add CP 140% on item No. 34 = 26490.25				37086.35
Add CP 350% on item No. 40 = 2475.00				8662.50
Add CP 450% on item No. 8, 10, 13, 14, 24 = 93972.68				422877.06
Add CP 500% on item No. 9, 17, 25 = 77448.99				387244.98
3% Item No. 2, 3, 4, 5, 11, 12, 15, 16, 18, 19, 20, 21, 22, 23, 26, 29 to 33, 35 to 39, 41 to 45 = 3425604.40				0.00
				4581129.84
				741622.89
D/d -2% below on (HSR+CP+NS)				4489507.04
				172846.01
D/d -3.85% below				8316661.03
			Total Work Done	3182134.20
Less already paid 2nd Running Bill Vide MB No. 471 Page 99				

Executive Engineer
Construction Branch
CDLU, Sirsa-125055

Exec
Cons
CDL

10	Earthing with tinned copper earth plate 1000 mm x 800 mm x 3 mm thick including with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required.	1.00	Nos.	1149.00	1149.00
11	Same for charcoal or coke and salt for G.I plate or copper plate earth electrode.	1.00	Nos.	186.00	186.00
12	Supply and erection of 20 mm x 3 mm thick Copper tape fixed with suitable G.I strips of same size.	19.00	Mtr.	60.00	1140.00
13	PF Self closing spring loaded Brass Quick Coupling Valve of Size 3/4" Female along with all Fittings and Accessories. The Cover should Thermoplastic Poly Vinyl Chloride. Make: Jain. India as per DNIT	17.00	Nos.	589.50	10021.50
14	PF C.I. Non Return Valve 2.5" sizes as per DNIT	3.00	Nos.	3775.50	11526.50
15	PF Double Acting Air Release Valve Made of Engineering Plastic 1" size. The Air release valve is capable of both releasing and admitting air from and into the line. The Working Pressure is 10 bar. Make: Jain. India as per DNIT	4.00	Nos.	601.20	2404.80
16	PF 1.25" G.I. Quick Coupling Valve Key Male. Make: Jain. India as per DNIT	6.00	Nos.	342.90	2057.40
17	PF 2" x 3/4" Brass Swivel Elbow. Make: Jain. India as per DNIT	1.00	Nos.	326.70	326.70
				Total	3647202.43
	PF 1" or item No. 16/28 = 20824.28				77040.83
	PF 2" or item No. 7 = 59.91				234.04
	PF 3" or item No. 27 = 326.92				751.91
	PF 4" or item No. 32 = 26490.25				37000.55
	PF 5" or item No. 40 = 2475.00				8000.50
	PF 6" or item No. 8, 10, 13, 14, 24 = 93972.68				422877.05
	PF 7" or item No. 9, 17, 25 = 77448.99				387244.05
	PF 8" or item No. 15, 16, 18, 19, 20, 21, 22, 23, 26, 29 to 33, 35 to 39, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100				0.00
					4581124.64
	D-2 - 3.85% (HISK-CP-NS)				101022.80
					2440007.04
					6122810.00
				Total Work Done	410000.00

Executive Engineer
Construction Branch
CDLU, Sirsa-125055

	This Bill Work Done	1134526.83
	Sny	1134527.00
		-154817.00
D'd Secured advance Vide MB No. 471 Page 100		979710.00
	Net Work Done	4479889.00
	Agreement Amount	
	D'd 5% Security on Agreement Amount	223994.00
	Already Security D'd 1st R. Bill Vide MB 471 P- 23	-69596.00
	Already Security D'd 2nd R. Bill Vide MB 471 P- 103	-130624.00
	Now to be D'd Security	23774.00
		-23774.00
	Deduction 2% Income tax on Rs.	979709.83
		-19594.00
	Deduction 1% Labour Cess on Rs.	979709.83
		-9797.00
	Deduction 0.50% Water Charge on Rs.	979709.83
		-1899.00
	Net Pay	1921645.00

Certified that the work has been Completed as per specification.
 All recovery has been made.
 OPC Cement and Jindal Panther Steel has been Used in this Work.

Passed for Rs. 921645 only

[Signature]
 Executive Engineer
 Ch. Devi Lal University
 SIRSA (Haryana)

[Signature]
 Structural Engineer (E&C)
 Graduate, Devi Lal University
 SIRSA (Haryana)

SP-01
 H/LC - 113
 CL - 85
 WP - 87
 CR - 61

Inspected & Passed for Rs. 921645
 (As per Bill No. 113/18)
 S.S. Khosla
 27/12/18
 H.S.A.
 27/12/18

[Signature]
 Executive Engineer
 Construction Branch
 CDLU, Sirsa-125055

215/260

CHAUDHARY DEVI LAL UNIVERSITY SIRSA

(Established by the State Legislature Act 9 of 2003)

No.121/09/ 171

Dated: 04/2/09

To

M/s Sourabh Garg,
Opp. Mehta Dharamshala Colony Road,
Mandi Dabwali,
Distt. Sirsa.

Subject: Construction of Sewage Treatment Plant based on MBBR Technology (1.00 MLD) (on Lump sum basis Turnkey Project) in CDLU, Sirsa.

Apprx. Cost: Rs.1,05,70,000/-

Reference your tender dated 6.1.2009 and subsequent undertaking dated 23.1.2009 on the subject cited above.

As recommended by the Tender Committee in its meeting held on 23.1.2009 and further approved by the competent authorities, the above subjected work is allotted to you on the following rates, terms and conditions in additions given in the DNIT of this work :

RATES

Sr.No	Description	Rate
1.	Planning, Designing, Construction, Testing Commissioning, starting up Stabilization, operation monitoring and performance run of 1.00 MLD/ Sewage Treatment Plant based on MBBR technology (attached growth process) with tertiary treatment at CDLU campus, Sirsa.	1,03,00,000/- (Rs. One crore three lac only)
2.	Operation & Monitoring (for 9 months) (30000x9)	2,70,000/- (Rs. Two lac seventy thousand only)
	Total	1,05,70,000/-

CONDITIONS

- The agency shall submit the lay out plan, hydraulic flow diagram and general arrangement drawings of individual units, within 15 days of issuance of letter of award. The first set of working drawings/structural drawings alongwith design drawings/structural drawings. The remaining working drawings/structural drawing and design will be submitted by the firm to Engineer-in-Charge within 20 days of the approval of lay-out plan, hydraulic flow diagram and general arrangement drawings, University shall approve the design and drawings as per schedule of work submitted by the firm and agreed by University.

Executive Engineer
Construction Branch
CDLU, Sirsa-125055

Executi

(2)

216/241

2. 10% security will be deducted from running bills subject to a maximum 5% of the agreement amount. The same will be released as under :-
 75% of the security deposit will be released after three months from the certified date of completion of the work provided the final bill is for a plus amount and have been passed by the competent authorities and balance 25% security shall be released after completion of defects liability period of six months.
2. The time limit for completion of this work shall be 4 (FOUR) MONTHS from the date of approval of the design and drawings by the Engineer-in-Charge. Defect liability shall be for a period of minimum 3 (Three) MONTHS after the completion of work i.e from the date of final checking, testing and commissioning of the complete work. The period of O&M shall be 9 (MONTHS) after defect liability of three months.
3. Water Charges @ 0.50% of the total cost and 1.75% on labour rate respectively shall be deducted.
4. You will submit component wise break up for each major component for approval of the Engineer-in-Charge. However stage wise payment for pipes, gates, valves, electrical and mechanical equipment shall be as under :-

1.	Procurement and delivery of equipment at site	75%
2.	On erection	15%
3.	On successful stabilization of STP	10%
	Total	100%

Payment for Stabilization, Operation, Maintenance & Monitoring works will be made as under :-

(i) Stabilization Period

I.	Stabilization period (3 months or more as the case may be) One job	95% of 10% cost of STP
II.	On Successful stabilization	5% of 10% cost of STP
	Total	100%

(ii) Operation, maintenance and monitoring period

I.	On completion of one month period of O&M	10% of O&M rates accepted
	Balance 10% on successful of the O & M period after entire satisfaction of Engineer-in-Charge	

[Signature]
 03/11/24
 Executive Engineer
 Construction Branch
 CDLU, Sirsa-125055

Vr no 5

Name of the Work:

4th Final Bill
Construction of Sewage Treatment Plant (1.00 MLD) at
CDLU, SirsaAgency
Allotment No.M/s Sourabh Corp. Mandi Dabwali
EE/09/ dated 1.2.2009

Date of Start

1.5.2009

Date of completion

31.08.2009

Date of Billing

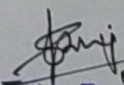
20.02.2010

Bill prepared by Sh. Nand Lal Mehta, SDE(PII) vide MB No. 253 Page 69 to 88

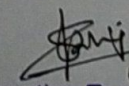
Sr. No.	Description	Rate	Amount (Rs.)
Part - A (On account of approval of Drawing and Design)			
1.	On approval of design and drawing	2.50% of Rs. 103.00 lacs	257500.00
Part - B (Civil Structure)			
1.	Earthwork excavation of work		
a)	Inlet Box	0.20% of 27.5% of Rs. 103.00 lacs	5665.00
b)	Screening Chamber	0.40% of 27.5% of Rs. 103.00 lacs	11330.00
c)	Grit Channel	0.30% of 27.5% of Rs. 103.00 lacs	8497.50
d)	Bio Reactor	2.50% of 27.5% of Rs. 103.00 lacs	70812.50
e)	Clarifier	2% of 27.5% of Rs. 103.00 lacs	56650.00
f)	Chlorine Contact Channel	0.20% of 27.5% of Rs. 103.00 lacs	5665.00
g)	Sump	0.20% of 27.5% of Rs. 103.00 lacs	5665.00
h)	Thickener-I	1.35% of 27.5% of Rs. 103.00 lacs	38238.75
i)	Thickener-II	1.35% of 27.5% of Rs. 103.00 lacs	38238.75
j)	Sludge Drying Beds	1.5% of 27.5% of Rs. 103.00 lacs	42487.50
2.	On laying of PCC		
a)	Inlet Box	0.22% of 27.5% of Rs. 103.00 lacs	6231.50
b)	Screening Chamber	0.44% of 27.5% of Rs. 103.00 lacs	12463.00
c)	Grit Channel	0.33% of 27.5% of Rs. 103.00 lacs	9347.25
d)	Bio Reactor	2.75% of 27.5% of Rs. 103.00 lacs	77893.75
e)	Clarifier	2.20% of 27.5% of Rs. 103.00 lacs	63115.00
f)	Chlorine Contact Channel	0.19% of 27.5% of Rs. 103.00 lacs	5381.75
g)	Sump	0.22% of 27.5% of Rs. 103.00 lacs	6231.50
h)	Thickener-I	1.35% of 27.5% of Rs. 103.00 lacs	42487.50

Executive Engineer
Construction Branch
CDLU, Sirsa-125055

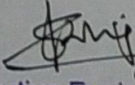
i)	Thickener-II	1.50% of 27.5% of Rs. 103.00 lacs	42487.50
j)	Sludge Drying Beds	1.65% of 27.5% of Rs. 103.00 lacs	46736.25
3.	On laying FDN		
a)	Inlet Box	0.45% of 27.5% of Rs. 103.00 lacs	12746.25
b)	Screening Chamber	0.41% of 27.5% of Rs. 103.00 lacs	12463.00
c)	Grit Channel	1.09% of 27.5% of Rs. 103.00 lacs	30874.25
d)	Bio reactor	5.50% of 27.5% of Rs. 103.00 lacs	155787.50
e)	Clarifier	4.40% of 27.5% of Rs. 103.00 lacs	124630.00
f)	Chlorine Contact Channel	0.48% of 27.5% of Rs. 103.00 lacs	13596.00
g)	Sump	0.41% of 27.5% of Rs. 103.00 lacs	12463.00
h)	Thickener-I	2.95% of 27.5% of Rs. 103.00 lacs	83558.75
(i)	Thickener-II	2.95% of 27.5% of Rs. 103.00 lacs	83558.75
j)	Sludge Drying Bed	3.30% of 27.5% of Rs. 103.00 lacs	93472.50
4.	On laying of floor		
a)	Inlet Box	0.34% of 27.5% of Rs. 103.00 lacs	9630.50
b)	Screening Chamber	0.38% of 27.5% of Rs. 103.00 lacs	10763.50
c)	Grit Channel	0.81% of 27.5% of Rs. 103.00 lacs	22943.25
d)	Bio reactor	5.25% of 27.5% of Rs. 103.00 lacs	148706.25
e)	Clarifier	4.40% of 27.5% of Rs. 103.00 lacs	124630.00
f)	Chlorine Contact Channel	0.68% of 27.5% of Rs. 103.00 lacs	19261.00
g)	Sump	0.34% of 27.5% of Rs. 103.00 lacs	9630.50
h)	Thickener-I	2.15% of 27.5% of Rs. 103.00 lacs	60898.75
(i)	Thickener-II	2.15% of 27.5% of Rs. 103.00 lacs	60898.75
j)	Sludge Drying Bed	3.50% of 27.5% of Rs. 103.00 lacs	99137.50
5.	On casting of wall upto half height		
a)	Inlet Box	0.40% of 27.5% of Rs. 103.00 lacs	11330.00
b)	Screening Chamber	0.40% of 27.5% of Rs. 103.00 lacs	11330.00
c)	Grit Channel	1% of 27.5% of Rs. 103.00 lacs	28325.00
d)	Bio reactor	5% of 27.5% of Rs. 103.00 lacs	141625.00


 03/11/21
 Executive Engineer
 Construction Branch
 CDLU, Sirsa-125055

	Clarifier		
D	Chlorine Contact Channel	4% of 27.5% of Rs. 103.00 lacs	113300.00
g)	Sump	0.80% of 27.5% of Rs. 103.00 lacs	22660.00
h)	Thickener-I	0.10% of 27.5% of Rs. 103.00 lacs	11330.00
(i)	Thickener-II	2.50% of 27.5% of Rs. 103.00 lacs	70812.50
j)	Sludge Drying Bed	2.50% of 27.5% of Rs. 103.00 lacs	70812.50
6.	On casting of wall upto full height	3% of 27.5% of Rs. Rs. 103.00 lacs	84975.00
a)	Inlet Box		
b)	Screening Chamber	0.25% of 27.5% of Rs. 103.00 lacs	7081.25
c)	Grit Channel	0.30% of 27.5% of Rs. 103.00 lacs	8497.50
d)	Bio reactor	0.10% of 27.5% of Rs. 103.00 lacs	11330.00
e)	Clarifier	3% of 27.5% of Rs. 103.00 lacs	84975.00
f)	Chlorine Contact Channel	2.5% of 27.5% of Rs. 103.00 lacs	70812.50
g)	Sump	0.30% of 27.5% of Rs. 103.00 lacs	8497.50
h)	Thickener-I	0.25% of 27.5% of Rs. 103.00 lacs	7081.25
(i)	Thickener-II	1.50% of 27.5% of Rs. 103.00 lacs	42487.50
j)	Sludge Drying Bed	1.50% of 27.5% of Rs. 103.00 lacs	42487.50
		2% of 27.5% of Rs. 103.00 lacs	56650.00
Part - C (Building)			
a)	On laying of P.C.C.	10% of 10% of Rs. 103.00 lacs	103000.00
b)	Upto D.P.C.	15% of 10% of Rs. 103.00 lacs	154500.00
c)	Upto door lintel	25% of 10% of Rs. 103.00 lacs	257500.00
d)	Upto roof level	35% of 10% of Rs. 103.00 lacs	360500.00
e)	On completion (i.e. door, window, painting)	15% of 10% of Rs. 103.00 lacs	154500.00
Part - D (Balance Components)			
C	Air Blowers	90% of 8% of 60% of Rs. 103.00 lacs	444960.00
	-do-	10% of 8% of 60% of Rs. 103.00 lacs	49440.00
(d)	Scraper for clarifier	90% of 8% of 60% of Rs. 103.00 lacs	556200.00
	-do-	10% of 8% of 60% of Rs. 103.00 lacs	61800.00
(e)	Scraper thickener-I	90% of 4% of 60% of Rs. 103.00 lacs	222480.00


 03/11/21
 Executive Engineer
 Construction Branch
 CDLU, Sirsa-125055

	-do-	lacs	10% of 4% of 60% Rs. 103.00	24720.00
(l)	Scraper thickener-II	lacs	90% of 4% of 60% Rs. 103.00	222480.00
	-do-	lacs	10% of 4% of 60% Rs. 103.00	24720.00
(g)	Filter Media of S.D.B.	lacs	90% of 3% of 60% Rs. 103.00	166860.00
	-do-	lacs	10% of 3% of 60% Rs. 103.00	18540.00
(k)	Chlorinator	lacs	90% of 4% of 60% Rs. 103.00	222480.00
	-do-	lacs	10% of 4% of 60% Rs. 103.00	24720.00
(l)	Cylinder for chlorination	lacs	90% of 2% of 60% Rs. 103.00	11240.00
	-do-	lacs	10% of 2% of 60% Rs. 103.00	12360.00
(o)	Air Grid	lacs	90% of 3% of 60% Rs. 103.00	166860.00
	-do-	lacs	10% of 3% of 60% Rs. 103.00	18540.00
a)	Pump & Motors	lacs	90% of 8% of 60% of Rs. 103.00	44960.00
	-do-	lacs	10% of 8% of 60% Rs. 103.00	49440.00
b)	Electrical Pannels	lacs	90% of 4% of 60% of Rs. 103.00	222480.00
	-do-	lacs	10% of 3% of 60% Rs. 103.00	24720.00
h)	Reactor media	lacs	90% of 17% of 60% of Rs. 103.00	94540.00
	-do-	lacs	10% of 17% of 60% Rs. 103.00	10560.00
i)	D.G. set	lacs	90% of 9% of 60% of Rs. 103.00	500580.00
	-do-	lacs	10% of 3% of 60% Rs. 103.00	55620.00
p)	Street light poles	lacs	75% of 3% of 60% Rs. 103.00	139050.00
		lacs	25% of 3% of 60% Rs. 103.00	16350.00
j)	Pipes & Specinds	lacs	90% of 7% of 60% Rs. 103.00	38940.00
		lacs		


 03/11/24
 Executive Engineer
 Construction Branch
 CDLU, Sirsa-125055

n)	A.C.F.	10% of 7% of 60% of Rs. 103.00 laes	43260.00
		90% of 8% of 60% of Rs. 103.00 laes	444960.00
m)	D.M.F.	10% of 8% of 60% of Rs. 103.00 laes	49440.00
		90% of 6% of 60% of Rs. 103.00 laes	333720.00
		10% of 6% of 60% of Rs. 103.00 laes	37080.00
		5% of 27.5% of Rs. 103.00 laes	141625.00
Part B-7 On Hydraulic testing i.e. Inlet box, Grit channel, Sump, Thickner I & II, screening chamber, Chlorine Contact Channel etc.			
Total Work Done			
But restricted for payment upto balance budget provision 2009-10.			Rs. 9961947.00 due to limited
Less already paid 3 rd running bill vide MB No.253/60-61			9961947.00
Net work done (4 th /final bill)			(-) Total work done = 980766/-
			9319234.00
Deduction 4% sale tax			(-) 642713.00
Deduction 2.27% income tax			(-) 25709.00
Deduction of 1% labour cess			(-) 14590.00
Deduction water charges 0.50%			(-) Paid Vide Ch. No 512421
Deduction elect. charges			(-) Dated 12/12/10
11.08.09 to 12.09.09 Rs.1458.00			(-) for Rs. 638592/-
12.09.09 to 14.10.09 Rs.1599.00			
15.10.09 to 10.11.09 Rs.1270.00			
11.11.09 to 11.12.09 Rs.1458.00			
Net payable			586988.00

R-9 ✓
R-8 ✓
L-103 ✓
S/LC-27 ✓

- 1) Certified that the work has been done as per PWD specifications.
- 2) All recoveries have been made from the agency upto date.

Pre-audited & Passed for Rs. 586988.00
(Rs. Five Lacs Eighty Six Thousand Two Hundred Eighty Eight only)

Auditor
12/12/10
R.P.A.
17/12/10
DB. (Auditor)
123100

Executive Engineer
Ch. Dowl Lal University
SIRSA (Haryana)

Executive Engineer
Construction Branch
CDLU, Sirsa-125055