

**Sixth Meeting**  
**Building Works Committee**  
**National Institute of Technology, Uttarakhand**

**Date** : 08<sup>th</sup> June 2018  
**Time** : 12:00 Noon  
**Venue** : Indian Institute of Technology, Roorkee

**AGENDA**

<b>Item No.</b>	<b>Items</b>	<b>Page No</b>
BWC 06.01	To Confirm the minutes of the Fifth meeting of Building Works Committee	
BWC 06.02	Action Taken Report	
BWC 06.03	Construction of Pre-fabricated structure for Library, Reading Room, Computer Center and Smart Class Room	
BWC 06.04	Expansion of laboratory behind the Electrical Engineering Department	
BWC 06.05	Any other item with permission of the Chairman, BWC	

  
**Registrar**

**BWC 06.01: To Confirm the minutes of the Fifth meeting of Building Works Committee.**

The minutes of the Fifth meeting of the Building Works Committee are placed as **Annexure BWC 06.01.**

The BWC is requested to confirm the minutes.

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# **ANNEXURE BWC 06.01**



## MINUTES OF THE 05<sup>th</sup> MEETING OF THE BWC HELD ON 2<sup>nd</sup> MAY, 2018

The Fifth Meeting of the Building and Works Committee (BWC) was held at the Committee Room of the Indian Institute of Technology, Roorkee at 09:00 am on 2<sup>nd</sup> May, 2018.

Following members were present:

- |  |                    |
|--|--------------------|
| 1. Prof. Shyam Lal Soni, Director  | - Chairman         |
| 2. Dr. Mukesh Kr. Pathak, Vice Chairman, Electrical Engineering, IIT Roorkee | - Member           |
| 3. Prof. M. N. Viladkar, Department of Civil Engineering, IIT Roorkee        | - Member           |
| 4. Mr. Ajay Sharma, Institute Engineer (Civil), IIT Roorkee                  | - Member           |
| 5. Dr. Kranti Jain, Associate Dean (P&D), NIT Uttarakhand                    | - Member           |
| 6. Colonel Sukhpal Singh, Registrar, NIT Uttarakhand                         | - Member Secretary |
| 7. Mr. Amardeep, Associate Dean (Estate), NIT Uttarakhand                    | - Special Invitee  |

At the outset, Secretary, BWC welcomed Prof. Shyam Lal Soni, the newly appointed Director of NIT, Uttarakhand who is also the Chairman, Building and Works Committee and requested him to chair the 05<sup>th</sup> meeting of the BWC.

The Building and Works Committee discussed the agenda and resolved as under:

**BWC05.01: To Confirm the minutes of the Fourth meeting of Building and Works Committee.**

**Resolution:** Minutes of the fourth Meeting of the BWC stands confirmed, with remarks regarding BWC 04.03 and 04.04 the Detailed Project Report (DPR) which was approved by the Building and Works Committee and submitted to the Ministry, was not approved because the land allotted stands rejected due to technical reasons. Therefore, a fresh DPR needs to be prepared as and when land is allotted.

**BWC 05.02: Ratification of notes approved by the Hon'ble Director.**

Approval was taken from the Hon'ble Director for emergent and inevitable construction related activities at Temporary Campus.

The notesheet duly approved by the Hon'ble Director is placed at Annexure BWC 05.02.

The BWC is requested to ratify.

**Resolution:** Building and Works Committee ratified the approval granted by the Chairman.

**BWC 05.03: Procurement and Installation of Pre-Fabricated Sewage Treatment Plant.**

As per FC resolution vide agenda item no.13.04, detailed report on procurement and installation of Pre-Fabricated Sewage Treatment Plant is placed before the Building and Works Committee as Annexure BWC 05.03.

The approximate cost is ₹43.00 Lakhs. The proposed expenditure is inevitable keeping in view the severe unhygienic conditions prevailing in the Temporary Campus.

Building and Works Committee is requested to accord the administrative approval and expenditure sanction for the above proposal.



**Resolution:** Building and Works Committee considered and approved the proposal with preliminary estimates cost of ₹43.00 Lakhs. It is further advised that tender be called in Three Bids System including Design, Engineering, Supply, Installation, Testing and Commissioning. It is further advised that the rate for operation and maintenance after expiry of warranty period on year to year basis may also be taken up at the time of tender.

**BWC 05.04** Expansion of lab behind the Electrical Engineering Department.

NIT Uttarakhand is running at its Temporary Campus at two different clusters, first is ITI Campus and other is Polytechnic Campus.

Labs of Engineering Departments are at ITI campus. At present the number of students is in peak and the labs are also need to be developed, therefore Expansion of labs may be done by creating prefabricated structure behind the Electrical Engineering Department as Annexure BWC 05.04.

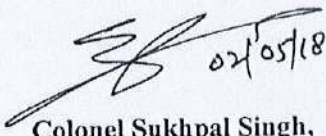
Building and Works Committee is requested to accord the administrative approval and expenditure sanction for the minor works.

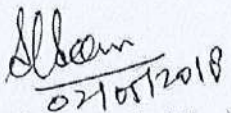
**Resolution:** Building and Works Committee approved the proposal in principal with preliminary estimated cost of ₹97.50 Lakhs. However, it was advised that the estimate from the CPWD be taken up and same be got approved from the Chairman, Building and Works Committee on behalf of Building and Works Committee and placed in the next meeting for the ratification.

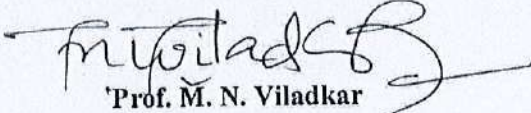
**BWC 05.05:** Any other item with the permission of Chairman, BWC.

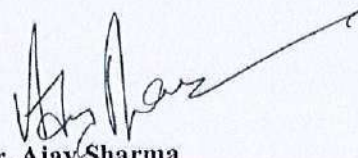
None.

The meeting ended with vote of thanks to the Chair.

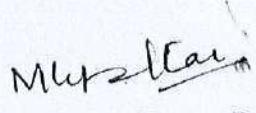
  
Colonel Sukhpal Singh,  
Member Secretary

  
02/05/2018  
(Prof. Shyam Lal Soni)  
Chairman

  
Prof. M. N. Viladkar  
Member

  
Mr. Ajay Sharma  
Member

  
Dr. Krant Jain  
Member

  
Dr. Mukesh Kumar Pathak  
Member

### **BWC 06.02: Action Taken Report.**

The Action Taken Report is as below:

<b>Agenda Item No.</b>	<b>Agenda Item</b>	<b>Action Taken Report</b>
BWC 05.01	To Confirm the minutes of the Fourth meeting of Building Works Committee	Noted
BWC 05.02	Ratification of notes approved by the Hon'ble Director.	In Process
BWC 05.03	Procurement and Installation of Pre-Fabricated Sewage Treatment Plant	In Process
BWC 05.04	Expansion of lab behind the Electrical Engineering Department	In Process

### **BWC 06.03: Construction of Pre-fabricated structure for Library, Reading Room, Computer Center and Smart Class Room.**

Institute has been allotted 1000 Sq. mtr. of land by the State Government adjacent to the present temporary campus building at ITI Complex. A meeting was held between the representatives of the State Government and the Institute. The minutes of the meeting are placed as **Annexure BWC 06.02**. It is proposed to construct Pre-fabricated structure for Library, Reading Room, Computer Center and Smart Class Room as per the estimated cost of ₹10,45,85,400/-, obtained from CPWD which is placed as **Annexure BWC 06.03**.

The BWC is requested to deliberate upon and approve the proposal.



# **ANNEXURE BWC 06.02**

दिनांक: 01.06.2018


आपदाग्रस्त राजकीय औद्योगिक प्रशिक्षण संस्थान परिसर में उपलब्ध भूमि में से अस्थाई रूप से आंशिक भाग एन0आई0टी0 उत्तराखण्ड, श्रीनगर संस्थान को दिये जाने के सम्बन्ध में निरीक्षण आख्या।

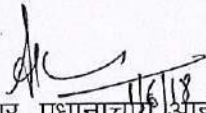
सचिव (प्रभारी) कौशल विकास एवं रोजगार उत्तराखण्ड शासन द्वारा दिये गये मौखिक निर्देशानुसार आज दिनांक 01.06.2018 समय 11:00 AM आपदाग्रस्त राजकीय औद्योगिक प्रशिक्षण संस्थान परिसर में उपलब्ध भूमि में से अस्थाई रूप से आंशिक भाग एन0आई0टी0 उत्तराखण्ड, श्रीनगर संस्थान को दिये जाने के सम्बन्ध में निम्न के द्वारा संयुक्त रूप से निरीक्षण किया गया।

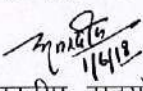
1. श्री डी0एस0 नेगी, प्रधानाचार्य आई0टी0आई0 श्रीनगर पौड़ी गढ़वाल।
2. श्री संजीव कुमार, प्रधानाचार्य आई0टी0आई0 राजपुर रोड देहरादून।
3. श्री अमरदीप, सहयोगी अधिष्ठाता (संपदा) एन0आई0टी0 उत्तराखण्ड, श्रीनगर।
4. श्री हर्ष जैन, आवासीय अभियन्ता, BRIDCUL।
5. श्री महेन्द्र मैठाणी, अवर अभियन्ता BRIDCUL।
6. श्री सतीश कुमार सैनी, आर्किटेक्ट, Technical Consultancy Service देहरादून।

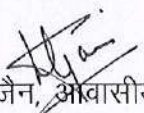
उपरोक्तानुसार उपस्थित अधिकारियों द्वारा एन0आई0टी0 उत्तराखण्ड, श्रीनगर संस्थान की आवश्यकतानुसार वांछित भूमि एवं राजकीय औद्योगिक प्रशिक्षण संस्थान श्रीनगर के प्रस्तावित भवन निर्माण हेतु भूमि की आवश्यकता को दृष्टिगत रखते हुए आपदाग्रस्त राजकीय औद्योगिक प्रशिक्षण संस्थान श्रीनगर परिसर से अस्थायी रूप से एन0आई0टी0 को भूमि उपलब्ध कराये जाने के सम्बन्ध में स्थल निरीक्षण किया गया। एन0आई0टी0 उत्तराखण्ड, श्रीनगर संस्थान के प्रतिनिधि श्री अमरदीप, सहयोगी अधिष्ठाता (संपदा) से विचार विमर्श उपरान्त एन0आई0टी0 उत्तराखण्ड, श्रीनगर के अस्थायी परिसर से लगी 1000 वर्ग मीटर भूमि जिसको संलग्न मानचित्र में पिंक सेड से दर्शाया गया है, को एन0आई0टी0 उत्तराखण्ड, श्रीनगर संस्थान को अस्थाई रूप से दिये जाने की सहमति हुई है। उक्त भूमि में पूर्व से निर्मित आपदाग्रस्त कार्यशाला स्थित है। एन0आई0टी0 के द्वारा अपनी आवश्यकतानुसार उक्त कार्यशाला का उपयोग/ध्वस्तीकरण किये जाने पर उससे प्राप्त राजस्व/साज-सज्जा राजकीय औद्योगिक प्रशिक्षण संस्थान, श्रीनगर को उपलब्ध कराना होगा।

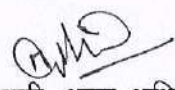
अतः उपरोक्तानुसार निरीक्षण आख्या अग्रेतर कार्यवाही हेतु सादर प्रस्तुत है।


  
श्री डी0एस0 नेगी, प्रधानाचार्य  
आई0टी0आई0 श्रीनगर गढ़वाल पौड़ी।

  
श्री संजीव कुमार, प्रधानाचार्य आई0टी0आई0  
राजपुर रोड देहरादून।

  
श्री अमरदीप, सहयोगी अधिष्ठाता (संपदा)  
एन0आई0टी0 श्रीनगर उत्तराखण्ड।

  
श्री हर्ष जैन, आवासीय अभियन्ता  
BRIDCUL

  
श्री महेन्द्र मैठाणी, अवर अभियन्ता  
BRIDCUL

  
श्री सतीश कुमार सैनी, आर्किटेक्ट  
(Technical Consultancy Service) देहरादून।





# **ANNEXURE BWC 06.03**





भारत सरकार

Government of India

केन्द्रीय लोक निर्माण विभाग

Central Public Works Department

कार्यपालक अभियंता

गढ़वाल केन्द्रीय मंडल, के.लो.नि.वि.,  
एस.एस.बी. कैम्पस, श्रीनगर (गढ़वाल)  
E-mail : gcdrsrinagar@gmail.com

Executive Engineer

Garhwal Central Division, CPWD  
SSB Campus, Srinagar Garhwal  
Phone & Fax : 01346-252374

पत्रांक : डी.बी. 29(24)/ग.के.म. /1275

दिनांक 07/06/2018

सेवा में,

रजिस्ट्रार,  
एन.आई.टी.  
श्रीनगर (गढ़वाल)।

**विषय : Construction of Prefabricated Library, reading room, computer center and smart class room in N.I.T Uttarakhand.**

संदर्भ : आपका कार्यालय पत्रांक – NITUK/Estate/CPWD/18/ dated nil

महोदय,

उपरोक्त संदर्भित पत्र द्वारा उक्त कार्य हेतु अनुरोध किया गया है जिसके क्रम में कार्य का Rough Cost Estimate लागत Rs. 10,45,85,400/- मात्र है जिसकी लागत अभी Tentative है तथा जिसकी लागत में परिवर्तन हो सकता है। कार्य का वास्तविक अनुमान वास्तुकीय नक्शों के प्राप्त होने के पश्चात् पुनः सक्षम अधिकारी के माध्यम से प्रेषित किया जायेगा।

संलग्न – उपरोक्त।

(ई. आर.सी. शर्मा)

कार्यपालक अभियंता,  
गढ़वाल केन्द्रीय मंडल,  
के.लो.नि.वि., श्रीनगर (गढ़वाल)

प्रतिलिपि : सहायक अभियंता, एच.एन.बी. उपमंडल, केलोनिवि, श्रीनगर गढ़वाल।

कार्यपालक अभियंता

## GENERAL ABSTRACT

**Name of work :** Construction of Prefabricated Library, reading room, computer center and smart class room in N.I.T Uttarakhand.

S.N.	Description of items	Amount
1	Civil Work	42858900.00
2	Electrical Work	61726467.00
	<b>Total</b>	<b>104585367.00</b>
	<b>Say (Rs.)</b>	<b>104,585,400.00</b>

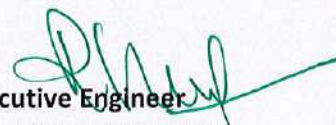
Annexure-A

Annexure-B

This is a Rough Cost Estimate and the Cost is tentative. Realistic estimate will be submitted by the Compentent Authtority and after preparation of Architectural Drawings at a later date.



Assistant Enigneer (P)  
Garhwal Central Division  
CPWD, Srinagar (Gwl)




Executive Egnineer  
Garhwal Central Division  
CPWD, Srinagar (Gwl)




## Preliminary Estimate

Name of Work : C/o Prefabricated Library, reading Room, computer center and smart class room in NIT Uttarakhand.

SLNo	Description	Approximate Area	Unit	Approximate/ PAR Rate	Approximate Cost	
1	Library, reading Room, computer center and smart class room (G+2)	2100.00	Sqm	12500.00	26250000.00	(X)
2	Foundation Cost (On G.F. area only)	700.00	Sqm	6450.00	4515000.00	
3	Every 0.3mtr. deeper foundations over normal depth of 1.20mtr. (on Ground Floor area only)	700.00	Sqm	270.00	189000.00	
				<b>Total</b>	<b>30954000.00</b>	(A)
4	Levelling	1000.00	Sqm	95.00	95000.00	
5	Internal roads & paths	1000.00	Sqm	145.00	145000.00	
6	Storm water drains	1000.00	Sqm	85.00	85000.00	
7	Sewer line	1000.00	Sqm	110.00	110000.00	
8	Internal water supply & sanitary installation @ 4% (X)	26250000.00	@	4.00%	1050000.00	
9	External Service connection @ 5% (X)	26250000.00	@	5.00%	1312500.00	
10	Underground Sump	100000.00	Ltr	15.00	1500000.00	
11	Filtered water supply distribution lines 100mm dia & below	1000.00	Sqm	80.00	80000.00	
12	Horticulture Operations	1000.00	Sqm	80.00	80000.00	
13	Demolishing of old existing building	1.00	Job	150000.00	150000.00	(Z)
				<b>Total</b>	<b>4607500.00</b>	(B)
	TOTAL (A) + (B)				<b>35561500.00</b>	(C)
	Add Cost Index @ 44% on (C)-(X+Z)				4031060.00	
	<b>Total</b>				<b>39592560.00</b>	(Y)
	Add Contingencies @ 3% on (Y)				1187777.00	
	Add Labour Cess @ 1% on (Y)				395926.00	
	Add EPF @ 3.125% on (Y)				1237268.00	
	Add ESI @ 1.125% on (Y)				445416.00	
	<b>Total</b>				<b>42858947.00</b>	
	<b>Say</b>				<b>42858900.00</b>	

  
 Assistant Engineer (P)  
 Garhwal Central Division  
 CPWD, Srinagar (Garhwal)

  
 Executive Engineer  
 Garhwal Central Division  
 CPWD, Srinagar (Garhwal)



**ELECTRICAL PROVISION**

**Name of work** :- C/o Library, reading Room, computer center and smart class room in N.I.T Srinagar (Gwl), Uttarakhand.

1 Sqmtr

Building Cost as per Civil PE = Rs. 26250000=00

**A- (Internal Electric Work)**

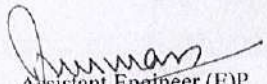
S.No.	Description of Items	Quantity	Unit	Rate	Amount	Remarks
1	Internal Electrical installation and fans on building cost	26250000	%	12.50%	3281250	PAR 12
2	Extra for:-					
i	Power wiring and Plug	26250000	%	4.00%	1050000	PAR 12
ii	Computer conduit on building cost	26250000	%	0.50%	131250	PAR 12
iii	Telephone conduit on building cost	26250000	%	0.50%	131250	PAR 12
iv	Lightning conductor upto G+2 storied building	26250000	%	0.50%	131250	PAR 12
v	External Service connection	26250000	%	5.00%	1312500	PAR 12
3	Exit Signages i/c electric signage	2100	sqmtr	85.00	178500	PAR 12
4	Fire fighting with wet riser system	2100	sqmtr	500	1050000	PAR 12
5	Automatic Fire Alarm System.	2100	sqmtr	500	1050000	PAR 12
					<b>Total Rs.</b>	8316000
					<b>Add Cost Index 44% for Srinagar on PAR 12</b>	3659040
					<b>Total of A</b>	<b>11975040</b>

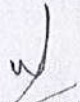
**B- (Development Works)**

S.No.	Description of Items	Quantity	Unit	Rate	Amount	Remarks
6	Supplying installation testing and commissioning of Sub- Station equipments comprising H.T. Panel, Transformer, HT Cable, Bus trunking from Transformer to LT Panel, LT Panel, Automatic power factor corrector panel, essential Panel i/c Earthing, inter connecting power cables in sub-station, safety equipments. (including load of proposed Workshop (G+1) for Mechanical & Civil)	500	KVA	7500	3750000	PAR 12 (Suppl. 2014)
7	Supplying installation testing and commissioning of VRV/VRF System i/c indoor, outdoor units, piping, cabling/ bustrunking/ risingmain (within the building), wiring, electrical panel and also treated fresh air system.	295	HP	55000	16225000	PAR 12 (Suppl. 2014)
8	External Service Connection charges payable to UPCL	1	Job	800000	800000	PAR 12 (Suppl. 2014)
9	Supplying Installation, testing and commissioning of silent type DG Set, AMF Panel, Bus Trunking/Cables from DG set to essential panel, control cable, earthing of DG Set and AMF panel, DG Set exhaust piping as per CPCB Norms and minor works. (for Light load + computer system + Power)	125	KVA	10000	1250000	PAR 12 (Suppl. 2014)



10	Supplying Installation, testing and commissioning of silent type DG Set, AMF Panel, Bus Trunking/Cables from DG set to essential panel, control cable, earthing of DG Set and AMF panel, DG Set exhaust piping as per CPCB Norms and minor works. (for central VRV/VRF system) 2 x 320 KVA ( 1 Running + 1 Standby)	640	KVA	10000	6400000	PAR 12 (Suppl. 2014)
11	SITC of IP based CCTV system for building security comprising of PTZ, Fixed camera, cabling, recording, display system and hardware and software support.	2100	Sqmtr	300	630000	PAR 12 (Suppl. 2014)
<b>Total Rs.</b>					29055000	
					6392100	
Add Cost Index 22% for Srinagar on PAR 12 (Suppl 2014) i.e. 144 - 122 =22%						
<b>Total of B</b>					<b>35447100</b>	
<b>MR Items (internal &amp; External) :- (LS provisions)</b>						
12	Provision for Projector, screen, Audio system, Podium etc. in Library, computer center, 3 nos. lecture hall.	5	Jobs	1200000	6000000	MR
13	Video confrencing system in smart class room	1	Job	1000000	1000000	MR
14	Provision for LED street Light/Flood Light, Solar light, façade light etc. (LS)	1	Job	600000	600000	MR
15	Provision of water supply pump set and panel	1	Job	500000	500000	MR
16	Provision for Fire Extinguishers	20	Each	10000	200000	MR
17	Provision for EPABX System	1	Job	350000	350000	MR
18	Provision for Water Cooler with RO system	3	Job	150000	450000	MR
19	Provision for Boom Barrier	1	Job	500000	500000	MR
<b>Total C</b>					<b>9600000</b>	
<b>Total A +B +C</b>					<b>57022140</b>	(A)
Add contingency @ 3% on (A)					1710664.2	
Add labour cess @ 1% on (A)					570221.4	
Add SESI @ EPF @ 4.25% on (A)					2423440.95	
<b>Grand Total</b>					<b>61726466.55</b>	
<b>Say Rs.</b>					<b>61726467.00</b>	

  
 Assistant Engineer (E)P  
 Dehradun Cent. Elect. Divn.  
 CPWD, Dehradun

  
 Executive Engineer (E)  
 Dehradun Cent. Elect. Divn.  
 CPWD, Dehradun

**BWC 06.04: Expansion of laboratory behind the Electrical Engineering Department.**

As resolved in the 5<sup>th</sup> Meeting of BWC vide agenda item no.BWC 05.04, the proposal with initial estimated cost of ₹97,50,000/- was principally approved by the BWC. However, the preliminary estimate as obtained from CPWD, which is amounting to ₹1,54,21,700/- is placed as **Annexure BWC 06.04**.

The BWC is requested to deliberate upon and approve the construction of laboratory behind the Electrical Engineering Department proposal.

**BWC 06.05: Any other item with the permission of Chairman, BWC.**



Registrar



## **ANNEXURE BWC 06.04**



भारत सरकार  
Government of India  
केन्द्रीय लोक निर्माण विभाग  
Central Public Works Department

कार्यपालक अभियंता  
गढ़वाल केन्द्रीय मंडल, के.लो.नि.वि.,  
एस.एस.बी. कैम्पस, श्रीनगर (गढ़वाल)  
E-mail : gcdsrinagar@gmail.com

Executive Engineer  
Garhwal Central Division, CPWD  
SSB Campus, Srinagar Garhwal  
Phone & Fax : 01346-252374

पत्रांक : डी.बी. 29(24)/ग.के.म./1276

दिनांक 07/06/2018

सेवा में,  
रजिस्ट्रार,  
एन.आई.टी.  
श्रीनगर (गढ़वाल)।

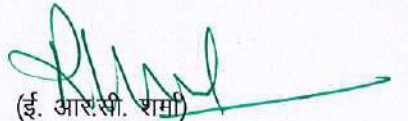
विषय : C/o Prefabricated Workshop/Laboratory in NIT Srinagar, Uttarakhand.

संदर्भ : आपका कार्यालय पत्रांक – NITUK/Estate/CPWD/18/197 dated 24.04.2018

महोदय,

उपरोक्त संदर्भित पत्र द्वारा उक्त कार्य हेतु अनुरोध किया गया है जिसके क्रम में कार्य का Rough Cost Estimate लागत Rs. 1,54,21,700/- मात्र है जिसकी लागत अभी Tentative है तथा जिसकी लागत में परिवर्तन हो सकता है। कार्य का वास्तविक अनुमान वास्तुकीय नक्शों के प्राप्त होने के पश्चात् पुनः सक्षम अधिकारी के माध्यम से प्रेषित किया जायेगा।

संलग्न – उपरोक्त।

  
(ई. आर. सी. शर्मा)  
कार्यपालक अभियंता,  
गढ़वाल केन्द्रीय मंडल,  
के.लो.नि.वि., श्रीनगर (गढ़वाल)

प्रतिलिपि : सहायक अभियंता, एच.एन.बी. उपमंडल, केलोनिवि, श्रीनगर गढ़वाल।

कार्यपालक अभियंता



GENERAL ABSTRACT

Name of work : C/o Prefabricated Workshop/Laboratory in NIT Srinagar, Uttarakhand.

S.N.	Description of items	Amount
1	Civil Work	12242600.00
2	Electrical Work	3179083.00
	<b>Total</b>	<b>15421683.00</b>
	<b>Say (Rs.)</b>	<b>15,421,700.00</b>

Annexure-A

Annexure-B

This is a Rough Cost Estimate and the Cost is tentative. Realistic estimate will be submitted by the Compentent Auththority and after preparation of Architectural Drawings at a later date.

Assistant Enigneer (P)  
Garhwal Central Division  
CPWD, Srinagar (Gwl)


Executive Engineer  
Garhwal Central Division  
CPWD, Srinagar (Gwl)

## Preliminary Estimate

Name of Work : C/o Prefabricated workshop/ laboratory in NIT Uttarakhand.

SLNo	Description	Approximate Area	Unit	Approximate/ PAR Rate	Approximate Cost
1	Laboratories/Workshop (G.F. only)	455.00	Sqm	12500.00	5687500.00 (X)
2	Foundation Cost (On G.F. area only)	455.00	Sqm	6450.00	2934750.00
3	Every 0.3mtr. deeper foundations over normal depth of 1.20mtr. (on Ground Floor area only)	455.00	Sqm	270.00	122850.00
				<b>Total</b>	<b>8745100.00 (A)</b>
4	Levelling	650.00	Sqm	95.00	61750.00
5	Internal roads & paths	650.00	Sqm	145.00	94250.00
6	Storm water drains	650.00	Sqm	85.00	55250.00
7	Sewer line	650.00	Sqm	110.00	71500.00
8	Internal water supply & sanitary installation @ 4% (X)	5687500.00	@	4.00%	227500.00
9	External Service connection @ 5% (X)	5687500.00	@	5.00%	284375.00
10	Filtered water supply distribution lines 100mm dia & below	650.00	Sqm	80.00	52000.00
				<b>Total</b>	<b>846625.00 (B)</b>
	TOTAL (A) + (B)				<b>9591725.00</b>
	Add Cost Index @ 44% on (C)-(X)				1717859.00
	<b>Total</b>				<b>11309584.00 (Y)</b>
	Add Contingencies @ 3% on (Y)				339288.00
	Add Labour Cess @ 1% on (Y)				113096.00
	Add EPF @ 3.125% on (Y)				353425.00
	Add ESI @ 1.125% on (Y)				127233.00
	<b>Total</b>				<b>12242626.00</b>
	<b>Say</b>				<b>12242600.00</b>

  
 Assistant Engineer (P)  
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 CPWD, Srinagar (Garhwal)

  
 Executive Engineer  
 Garhwal Central Division  
 CPWD, Srinagar (Garhwal)



**ELECTRICAL PROVISION**

Name of work :- C/o Prefabricated Workshop/Laboratory N.I.T, Srinagar (Gwl) Uttarakhand.

Area = 455 Sqmtr (G)

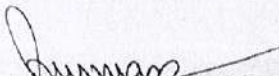
Building Cost as per Civil PE = Rs. 5687500=00

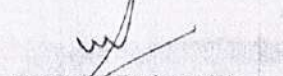
**A- (Internal Electric Work)**

S.No.	Description of Items	Quantity	Unit	Rate	Amount	Remarks
	<b>(PAR)</b>					
1	Internal Electrical installation and fans on building cost	5687500	%	12.50%	710938	PAR 12
2	Extra for:-					
i	Power wiring and Plug	5687500	%	4.00%	227500	PAR 12
ii	Computer conduit on building cost	5687500	%	0.50%	28438	PAR 12
iii	Telephone conduit on building cost	5687500	%	0.50%	28438	PAR 12
iv	Lightning conductor upto G+2 storyed building	5687500	%	0.50%	28438	PAR 12
v	External Service connection	5687500	%	5.00%	284375	PAR 12
3	Exit Signages i/c electric signage	455	sqmtr	85.00	38675	PAR 12
4	Automatic Fire Alarm System.	455	sqmtr	500	227500	PAR 12
					1574300	
	<b>Add Cost Index 44% for Srinagar on PAR</b>				692692	
	<b>Total of A</b>				<b>2266992</b>	

**B- (Development Works)**

S.No.	Description of Items	Quantity	Unit	Rate	Amount	Remarks
	<b>(PAR)</b>					
5	SITC of IP based CCTV system for building security comprising of PTZ, Fixed camera, cabling, recording, display system and hardware and software support.	455	Sqmtr	300	136500	PAR 12 (Suppl. 2014)
				<b>Total Rs.</b>	136500	
	<b>Add Cost Index 22% for Srinagar on PAR 12 (Suppl 2014) i.e. 144 - 122 =22%</b>				30030	
	<b>Total of B</b>				<b>166530</b>	
	<b>MIR Items (internal &amp; External) :- (LS provisions)</b>					
6	Provision for LED street Light/Flood Light, Solar light, façade light etc. (LS)	1	Job	200000	200000	MR
7	Provision for Fire Extinguishers	10	Each	10000	100000	MR
8	Provision for Water Cooler with RO system	1	Job	150000	150000	MR
				<b>Total C</b>	<b>450000</b>	
	<b>Total of A + B + C</b>				<b>2883522</b>	<b>(A)</b>
	Add contingency @ 5% on (A)				144176.1	
	Add labour cess @ 1% on (A)				28835.22	
	Add SESI @ EPF @ 4.25% on (A)				122549.685	
	<b>Grand Total</b>				<b>3179083</b>	

  
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