



कार्यालय कार्यपालन अभियंता  
लोक निर्माण विभाग, दुर्ग संभाग दुर्ग

ज्ञाप क्रमांक - 557

/शिल्प/ 2015-16/

दुर्ग, दिनांक 22/01/2016

प्रति,

✓ संचालक

राज्य शैक्षिक अनुसंधान और  
प्रशिक्षण परिषद,  
शंकर नगर, रायपुर (छ.ग.)

विषय :- जिला एवं प्रशिक्षण संस्थान हेतु प्रथम चरण प्राक्कलन तैयार करने बाबत।

संदर्भ :- आपका पत्र क्रं. स्था. 1-128/2015/5348/रायपुर, दिनांक 28.09.2015

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आ.प. 25/1/16

कृपया उपरोक्त विषयान्तर्गत जिला एवं प्रशिक्षण संस्थान दुर्ग के भवन निर्माण

हेतु रु. 606.20 लाख का प्रथम स्तरीय प्राक्कलन दो प्रतियों में तैयार कर आपकी ओर  
25/1/16 आवश्यक कार्यवाही हेतु प्रस्तुत है।

सहपत्र :- प्रथम स्तरीय प्राक्कलन  
दो प्रतियों में।

कार्यपालन अभियंता  
लो.नि.वि. दुर्ग संभाग दुर्ग

पृ. क्रमांक -

/शिल्प/ 2015-16/

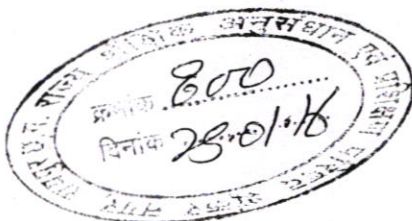
दुर्ग, दिनांक /01/2016

प्रतिलिपि:-

1. जिला शिक्षा अधिकारी, जिला-दुर्ग की ओर सूचनार्थ अग्रेषित।
2. अनुविभागीय अधिकारी, लोक निर्माण विभाग, उपसंभाग क्रं. 1 दुर्ग की ओर आपके ज्ञाप क्रं. 119/शिल्प/16/दुर्ग, दिनांक 20.1.2016 के संदर्भ में सूचनार्थ अग्रेषित।

सहपत्र :- शून्य

स्ति  
कार्यपालन अभियंता  
लो.नि.वि. दुर्ग संभाग दुर्ग



कार्यालय अनुविभागीय अधिकारी  
लोक निर्माण विभाग, उपसंभाग, क्र.1 दुर्ग

ज्ञाप क्रमांक —  
प्रति,

११७ /शिल्प/ 16

दुर्ग, दिनांक २८/०१/१६

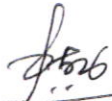
कार्यपालन अभियंता  
लोक निर्माण विभाग  
दुर्ग संभाग दुर्ग

विषय :- प्रथम स्तरीय प्राक्कलन प्रेषित करने बाबत।

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उपरोक्त विषयांतर्गत निर्देशानुसार जिला शिक्षा एवं प्रशिक्षण संस्थान, दुर्ग के भवन निर्माण हेतु राशि 606.20 लाख का प्रथम स्तरीय प्राक्कलन तैयार कर आवश्यक अग्रिम कार्यवाही हेतु आपकी ओर प्रेषित है।

सहपत्र :- प्राक्कलन 3 प्रतियों में।

  
for अनुविभागीय अधिकारी  
लो.नि.वि. उपसंभाग क्र. 1 दुर्ग

TS

3/11/16

**GOVERNMENT OF CHHATTISGARH  
PUBLIC WORK DEPARTMENT**



**STAGE-1 ESTIMATE FOR  
CONSTRUCTION OF DISTRICT INSTITUTE  
OF EDUCATION AND TRAINING  
BUILDING, DURG (C.G.)**

**ESTIMATED COST Rs. = 606.20 LAKHS**

**Executive Engineer  
PWD Durg Division  
Durg**




## REPORT & SPECIFICATION

- 1 **Name of work** : STAGE-1 ESTIMATE FOR CONSTRUCTION OF DISTRICT INSTITUTE OF EDUCATION AND TRAINING BUILDING, DURG (C.G.)
- 2 **Amount** : Rs. 606.20 Lakhs
- 3 **Authority** : School Education Department C.G. Govt. Raipur.
- 4 **Necessity** : As desired Letter No. 5348/ Raipur Dated 28.09.2015 of Director State Council of Educational Research & Training, Shankar Nagar, Raipur (C.G.)
- 5 **Provisions** : The following provisions have been made in this Estimate.
  1. R.C.C. Column footing with RCC roof.
  2. 20 cm & 30 cm thick brick Masonry in CM 1:6
  3. Door, Windows & Ventilator made up cold rolled pressed steel frames.
  4. Windows & shutter's are standard rolled steel section & aluminium.
  5. Providing 35mm thick flush door shutters.
  6. 12mm & 15mm thick plaster on wall in side & outside.
  7. Vitrified / Rectified floor tiles.
  8. Providing & fixing ceramic tile Dado upto window sill level.
  9. Emulsion paint on exterior & interior wall with putty base.
  10. Syanthetic enamel paint on door shutter windows & ventilator.
  11. Plumbing and sanitary work including G.I. pipe line for water supply and S.W pipe line for severage and standard accessories in toilets
  12. Consealed wiring with reputed brand fittings & fixtures for electrification & for this purpose 13% allied charges provided.

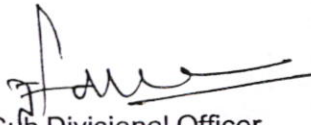


## 6 Rates & Specifications

Rates adopted in the Estimate as per plinth area rate base on present workable rates. The work shall be carried out strictly as per specification on C.P.W.D. and the instruction issued by the depratment time to time.



Sub Engineer



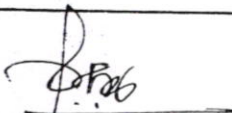
Sub Divisional Officer  
PWD Sub Dn. No. 1  
Durg

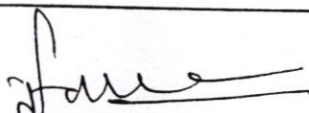


Executive Engineer  
PWD Durg Division  
Durg

**STAGE-1 ESTIMATE FOR CONSTRUCTION OF DISTRICT INSTITUTE OF  
EDUCATION AND TRAINING BUILDING, DURG (C.G.)  
ABSTRACT**

Sr. No.	Item of Works	Nos.	Plinth Area	Unit	Rate	Amount
1	2		3	4	5	6
1	Institute Building Priority - I	1	1400.00	sqm	17571.00	24599400.00 ✓
2	Hostel building Priority - I	1	1050.00	sqm	15064.00	15817200.00 ✓
3	Qtr. for Principal Priority - I	1	120.00	sqm	15064.00	1807680.00 ✓
4	Qtr. for faculty member Priority - I	2	70.00	sqm	15064.00	2108960.00 ✓
5	Qtr. for Class IV Staff Priority - I	2	40.00	sqm	15064.00	1205120.00 ✓
6	Girls common room, Auditorium & canteen Priority - II	1	380.00	sqm	15064.00	5724320.00 ✓
<b>Total Rs.</b>						<b>51262680.00 ✓</b>
<b>Add for Allied Services</b>						
a	External electrification (2%)					1025254.00 ✓
b	External sanitary & water supply (2%)					1025254.00 ✓
c	Approach road & culverts (2%)					1025254.00 ✓
d	Add work charge contingencies & establishment (3.5%)					1794194.00 ✓
e	Hutting accomodation (1%)					512627.00 ✓
f	Boundary wall (App. 750 Rm @ 5300 per meter)					3975000.00 ✓
<b>Grand Total Rs.</b>						<b>60620261.00 ✓</b>
<b>Say Rs.</b>						<b>606.20 Lakhs</b>

  
Sub Engineer


  
Sub Divisional Officer  
PWD Sub Division No. 1  
Durg

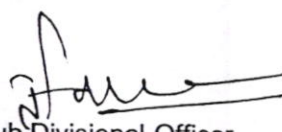
  
Executive Engineer  
PWD Durg Division  
Durg

# **STAGE-1 ESTIMATE FOR CONSTRUCTION OF DISTRICT INSTITUTE OF EDUCATION AND TRAINING BUILDING, DURG (C.G.)**

## **PLINTH AREA STATEMENT**

Sr. No.	Item of Works	Plinth Area	Unit	Remarks
1	2	3	4	5
1	Institute Building Priority - I	1400.00	sqm	According to guide lines by Govt. of India Ministry of Human Resources Development, Department of School Education and Literacy
2	Hostel building Priority - I	1050.00	sqm	
3	Qtr. for Principal Priority - I	120.00	sqm	
4	Qtr. for faculty member Priority - I	70.00	sqm	
5	Qtr. for Class IV Staff Priority - I	40.00	sqm	
6	Girls common room, Auditorium & canteen Priority - II	380.00	sqm	

  
 Sub Engineer

  
 Sub Divisional Officer  
 PWD Sub Division No. 1  
 Durg

  
 Executive Engineer  
 PWD Durg Division  
 Durg



# GOVERNMENT OF CHHATTISGARH



**OFFICE OF THE EXECUTIVE ENGINEER  
P.W.D. WEST BASTAR DIVISION, BIJAPUR**

**STATE -1 ESTIMATE FOR CONSTUCTION OF DIET  
BUILDING AT BIJAPUR DISTT. BIJAPUR ( C.G. )  
AMOUNT OF ESTIMATE :Rs. 576.20 LACS**


## GENERAL ABSTRACT

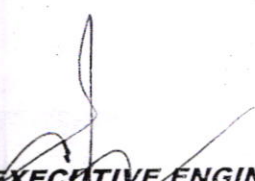
### STATE -1 ESTIMATE FOR CONSTRUCTION OF DIET BUILDING AT BIJAPUR DISTT. BIJAPUR ( C.G. )

S.No	PERTICULARS	AMOUNT (IN LACS)
1	DIET Collage Building	242.84
2	Hostel Building ( Gents )	81.09
3	Hostel Building ( Ladies )	81.09
4	Principal Residence	12.36
5	Staff Residence	87.29
6	Staff Residence ( 4th Class )	23.57
7	Construction of approach Road	20.65
8	Construction of H.P. Culvert	5.18
9	Construction of Boundary wall	22.13
<b>Total Amount</b>		<b>Rs. 576.20</b>

In words:- Rupees Five Crore Seventy Six Lacs Twenty Thausand only

  
**SUB-ENGINEER**

  
**SUB-DIVISIONAL OFFICER**  
P.W.D. (B/R) Sub-Division No-1  
Bijapur

  
**EXECUTIVE ENGINEER**  
P.W.D., West Bastar Division  
Bijapur



# PROPOSED DIET BUILDING AT BIJAPUR, DISTT.- BIJAPUR (C.G.)


## Stage - 1 Estimate

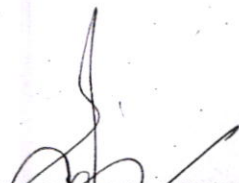
S.No.	Description	Plinth Area ( Sqm)	Plinth Area rate Rs/Sqm	Amount
1	Construction of civil works G.F.	935.61	12000.00	11227320.00
	Construction of civil works F.F.	707.43	12000.00	8489160.00
				19716480.00
2	Add 9% for internal electrification			1774483.20
3	Add 2% for external electrification			394329.60
4	Add 6% for internal water supply and sanitary fittings			1182988.80
5	Add 1% for external connection			197164.80
6	Add 1% for sewage conection( external)			197164.80
			Total	23462611.20
7	Add 1.5% for contingencies			351939.17
8	Add 2% for work charged Establishment			469252.22
			Total Rs	24283802.59
			Say Rs	242.84Lacs

In words:- Rupees Two Crore Fourty Two Lacs Eighty Four Thausand only

Note:- 1. Percentage adopted for allied services are based on C.G.P.W.D. Practices.

  
**SUB-ENGINEER**

  
**SUB-DIVISIONAL OFFICER**  
P.W.D. (B/R) Sub-Division No-1  
Bijapur

  
**EXECUTIVE ENGINEER**  
P.W.D., West Bastar Division  
Bijapur



**PROPOSED 50 SEATED GENTS HOSTEL BUILDING AT BIJAPUR, DISTT.-  
BIJAPUR (C.G.)**

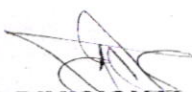
**Stage - 1 Estimate**


S.No.	Description	Plinth Area ( Sqm)	Plinth Area rate Rs/Sqm.	Amount
1	Construction of civil works	548.66	12000.00	6583920.00
2	Add 9% for internal electrification			592552.80
3	Add 2% for external electrification			131678.40
4	Add 6% for internal water supply and sanitary fittings			395035.20
5	Add 1% for external connection			65839.20
6	Add 1% for sewage conection( external)			65839.20
			Total	7834864.80
7	Add 1.5% for contingencies			117522.97
8	Add 2% for work charged Establishment			156697.30
			<b>Total Rs</b>	<b>8109085.07</b>
			<b>Say Rs</b>	<b>81.09Lacs</b>

In words:- Rupees Eighty One Lacs Nine Thausand only

Note:- 1. Percentage adopted for allied services are based on C.G.P.W.D. Practices.

  
**SUB-ENGINEER**

  
**SUB-DIVISIONAL OFFICER**  
P.W.D. (B/R) Sub-Division No-1  
Bijapur

  
**EXECUTIVE ENGINEER**  
P.W.D., West Bastar Division  
Bijapur

**PROPOSED 50 SEATED LADIES HOSTEL BUILDING AT BIJAPUR, DISTT.-  
BIJAPUR (C.G.)**


**Stage - 1 Estimate**


S.No.	Description	Plinth Area ( Sqm)	Plinth Area rate Rs/Sqm	Amount
1	Construction of civil works	548.66	12000.00	6583920.00
2	Add 9% for internal electrification			592552.80
3	Add 2% for external electrification			131678.40
4	Add 6% for internal water supply and sanitary fittings			395035.20
5	Add 1% for external connection			65839.20
6	Add 1% for sewage conection( external)			65839.20
			Total	7834864.80
7	Add 1.5% for contingencies			117522.97
8	Add 2% for work charged Establishment			156697.30
			<b>Total Rs</b>	<b>8109085.07</b>
			<b>Say Rs</b>	<b>81.09Lacs</b>

In words:- Rupees Eighty One Lacs Nine Thausand only

Note:- 1. Percentage adopted for allied services are based on C.G.P.W.D. Practices.

  
**SUB-ENGINEER**

  
**SUB-DIVISIONAL OFFICER**  
P.W.D. (B/R) Sub-Division No-1  
Bijapur

  
**EXECUTIVE ENGINEER**  
P.W.D., West Bastar Division  
Bijapur

**PROPOSED PRINCIPAL RESIDENTIAL BUILDING AT BIJAPUR, DISTT.-  
BIJAPUR (C.G.)**


**Stage - 1 Estimate**


S.No.	Description	Plinth Area ( Sqm)	Plinth Area rate Rs/Sqm	Amount
1	Construction of civil works	83.65	12000.00	1003800.00
2	Add 9% for internal electrification			90342.00
3	Add 2% for external electrification			20076.00
4	Add 6% for internal water supply and sanitary fittings			60228.00
5	Add 1% for external connection			10038.00
6	Add 1% for sewage conection( external)			10038.00
			Total	1194522.00
7	Add 1.5% for contingencies			17917.83
8	Add 2% for work charged Establishment			23890.44
			<b>Total Rs</b>	<b>1236330.27</b>
			<b>Say Rs</b>	<b>12.36Lacs</b>

In words:- Rupees Twelve Lacs Thirty Six Thausand only

Note:- 1. Percentage adopted for allied services are based on C.G.P.W.D. Practices.

  
**SUB-ENGINEER**

  
**SUB-DIVISIONAL OFFICER**  
P.W.D. (B/R) Sub-Division No-1  
Bijapur

  
**EXECUTIVE ENGINEER**  
P.W.D., West Bastar Division  
Bijapur



**PROPOSED STAFF RESIDENTIAL BUILDING AT BIJAPUR, DISTT.- BIJAPUR  
(C.G.)**

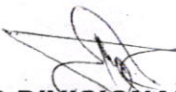
**Stage - 1 Estimate**


S.No.	Description	Plinth Area of One Block ( Sqm)	No. of Block	Total Plinth Area ( Sqm)	Plinth Area rate Rs/Sqm	Amount
1	Construction of civil works	118.12	5	590.60	12000.00	7087200.00
2	Add 9% for internal electrification					637848.00
3	Add 2% for external electrification					141744.00
4	Add 6% for internal water supply and sanitary fittings					425232.00
5	Add 1% for external connection					70872.00
6	Add 1% for sewage conection( external)					70872.00
					Total	8433768.00
7	Add 1.5% for contingencies					126506.52
8	Add 2% for work charged Establishment					168675.36
					<b>Total Rs</b>	<b>8728949.88</b>
					<b>Say Rs</b>	<b>87.29Lacs</b>

In words:- Rupees Eighty Seven Lacs Twenty Nine Thausand only

Note:- 1. Percentage adopted for allied services are based on C.G.P.W.D. Practices.

  
**SUB-ENGINEER**

  
**SUB-DIVISIONAL OFFICER**  
P.W.D. (B/R) Sub-Division No-1  
Bijapur

  
**EXECUTIVE ENGINEER**  
P.W.D., West Bastar Division  
Bijapur

**PROPOSED CLASS - 4 STAFF RESIDENTIAL BUILDING AT BIJAPUR, DISTT.-  
BIJAPUR (C.G.)**


**Stage - 1 Estimate**

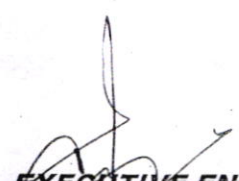
S.No.	Description	Plinth Area of One Block ( Sqm)	No. of Block	Total Plinth Area ( Sqm)	Plinth Area rate Rs/Sqm	Amount
1	Construction of civil works	79.74	2	159.48	12000.00	1913760.00
2	Add 9% for internal electrification					172238.40
3	Add 2% for external electrification					38275.20
4	Add 6% for internal water supply and sanitary fittings					114825.60
5	Add 1% for external connection					19137.60
6	Add 1% for sewage conection( external)					19137.60
					Total	2277374.40
7	Add 1.5% for contingencies					34160.62
8	Add 2% for work charged Establishment					45547.49
					<b>Total Rs</b>	<b>2357082.50</b>
					<b>Say Rs</b>	<b>23.57Lacs</b>

In words:- Rupees Twenty Three Lacs Fifty Seven Thausand only

Note:- 1. Percentage adopted for allied services are based on C.G.P.W.D. Practices.

  
**SUB-ENGINEER**

  
**SUB-DIVISIONAL OFFICER**  
P.W.D. (B/R) Sub-Division No-1  
Bijapur

  
**EXECUTIVE ENGINEER**  
P.W.D., West Bastar Division  
Bijapur

## PROPOSED H.P. CULVERT AT BIJAPUR, DISTT.- BIJAPUR (C.G.)

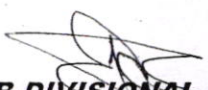
### Stage - 1 Estimate


S.No.	Description	Nos.	Cost of One Culvert	Amount
1	Construction of civil works	2.00	250000.00	500000.00
2	Add 1.5% for contingencies			7500.00
3	Add 2% for work charged Establishment			10000.00
			<b>Total Rs</b>	<b>517500.00</b>
			<b>Say Rs</b>	<b>5.18Lacs</b>

In words:- Rupees Five Lacs Eighteen Thousand only

Note:- 1. Percentage adopted for allied services are based on C.G.P.W.D. Practices.

  
**SUB-ENGINEER**

  
**SUB-DIVISIONAL OFFICER**  
P.W.D. (B/R) Sub-Division No-1  
Bijapur

  
**EXECUTIVE ENGINEER**  
P.W.D., West Bastar Division  
Bijapur



## PROPOSED APPROACH ROAD AT BIJAPUR, DISTT.- BIJAPUR (C.G.)

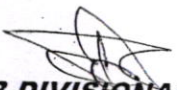
### Stage - 1 Estimate


S.No.	Description	Length	Cost Per Mtr	Amount
1	Construction of civil works	475.00	4200.00	1995000.00
2	Add 1.5% for contingencies			29925.00
3	Add 2% for work charged Establishment			39900.00
			<b>Total Rs</b>	<b>2064825.00</b>
			<b>Say Rs</b>	<b>20.65Lacs</b>

In words:- Rupees Twenty Lacs Sixty Five Thausand only

Note:- 1. Percentage adopted for allied services are based on C.G.P.W.D. Practices.

  
**SUB-ENGINEER**

  
**SUB-DIVISIONAL OFFICER**  
P.W.D. (B/R) Sub-Division No-1  
Bijapur

  
**EXECUTIVE ENGINEER**  
P.W.D., West Bastar Division  
Bijapur

# PROPOSED BOUNDARY WALL AT BIJAPUR, DISTT.- BIJAPUR (C.G.)


## Stage - 1 Estimate


S.No.	Description	Length	Cost Per Mtr	Amount
1	Construction of civil works	500.00	4000.00	2000000.00
	Gate 3 Nos 2100 Kg @ 66.00/Kg			138600.00
			Total	2138600.00
2	Add 1.5% for contingencies			32079.00
3	Add 2% for work charged Establishment			42772.00
			Total Rs	2213451.00
			Say Rs	22.13Lacs

In words:- Rupees Twenty Two Lacs Thirteen Thausand only

Note:- 1. Percentage adopted for allied services are based on C.G.P.W.D. Practices.

  
**SUB-ENGINEER**

  
**SUB-DIVISIONAL OFFICER**  
P.W.D. (B/R) Sub-Division No-1  
Bijapur

  
**EXECUTIVE ENGINEER**  
P.W.D., West Bastar Division  
Bijapur

कार्यालय अधीक्षण अभियंता, लोक निर्माण विभाग रायपुर,  
मण्डल क्रमांक-1 रायपुर (छत्तीसगढ़)

ज्ञाप क  
प्रति,

828/17-15/कार्य/2016

रायपुर, दिनांक: 02/02/2016

डायरेक्टर,  
राज्य शैक्षणिक अनुसंधान,  
प्रशिक्षण परिषद्, शकर नगर  
रायपुर

विषय :- प्रथम स्तरीय प्राक्कलन प्रदाय करने हेतु।

संदर्भ :- आपका ज्ञाप क - भवन/अधोसंरचना/19-80-21/एसईआरटी/15-16/7567  
रायपुर दिनांक 09.12.2015

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कृपया संदर्भित पत्र का अवलोकन करने का कष्ट करें। उपरोक्त विषयांतर्गत शंकरनगर रायपुर मे नये डाईट भवन, हॉस्टल एवं स्टाफ क्वार्टर हेतु दिये गये प्लिथ एरिया के आधार पर निम्नलिखित कार्य का प्रथम स्तरीय प्राक्कलन संलग्न कर आपकी ओर प्रेषित है।

1. नये डाईट भवनों का प्रथम स्तरीय प्राक्कलन
2. डाईट भवन हेतु ~~स्टाफ क्वार्टर~~ का प्रथम स्तरीय प्राक्कलन
3. डाईट भवन स्टाफ हेतु स्टाफ क्वार्टर का प्रथम स्तरीय प्राक्कलन

रु 275.23 लाख

रु. 2238.18 लाख

रु. 67.69 लाख

Videl 7  
Videl 9-10  
Videl 11-12  
for one  
unit  
only

सहपत्र :- उपरोक्तानुसार।

अधीक्षण अभियंता  
लोक निर्माण विभाग  
रायपुर मंडल क्र-1 रायपुर (छ.ग.)  
रायपुर, दिनांक: /02/2016

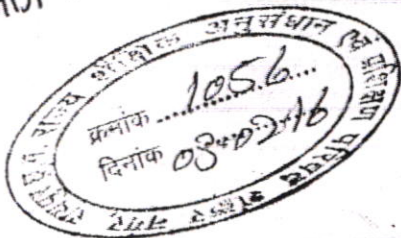
पृ. कं /17-15/कार्य/2016  
प्रतिलिपि :-

1. कार्यपालन अभियंता, लोक निर्माण विभाग संभाग क-01 रायपुर की ओर उनके पत्र कं. 111/11-17-बी/कार्य/2015-16 दिनांक 07.01.2016 के संदर्भ में सूचनार्थ प्रेषित।

सहपत्र :- शून्य।

अधीक्षण अभियंता,  
लोक निर्माण विभाग  
रायपुर मंडल कं.-1 रायपुर (छ.ग.)

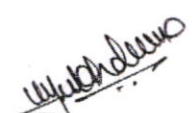
संलग्न का (प्रतिप्रेषित)  
कु. मा. ल. व. का. को  
मा. पत्र मा. जा. जा. व.







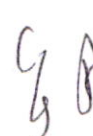
## REPORT & SPECIFICATION

1	Name of Work	<b>THE CONSTRUCTION OF PROPOSED DIET BUILDING IN CHHATTISGARH STATE.</b>
2	Estimated Cost	<b>Rs. 275.23 Lacs</b> ✓
3	Authority	
4	Neccesity	<i>As instructed by Director, State Council of Educatioal Research and Training, Chhattisgarh, Shankar Nagar, Raipur.</i>
5	Provision	<i>Following provisions has been made in the estimate.</i>
	Structure	R.C.C.Framed structure using Thermo-Mechanically treated bars.
	Walls	200 mm thick outer and inner wall and 100 mm thick toilet wall with Fly ash bricks in c.m.1:6(1 cement:6 coarse sand) & cement mortar plaster in c.m.1:6(1 cement : 6 fine sand).
	Door	Providing wood work/Cold rolled pressed steel sheet in frames of doors.Flush Door Shutters in Main Doors.P.V.C. Door in Toilets.
	Window	Cold rolled pressed steel sheet framed profiles made from commercial M.S. Sheets and M.S.Grill;Aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections as well.
	Toilets	Ceramic tiles dado upto door hight,flooring with ceramic Tiles.
	Flooring	Ceramic tiles,Vetrified Tiles in office and Class rooms.Kota stone for Stair Case,Chequerred terrazzo tiles for Ramp and precast interlocking concrete blocks For Courtyard/Parisar.
	Plumbing,sanitary and Water Supply	Standard and Quality fitting in water supply and sanitary.
	Paint	Distemper inside and PREMIUM TEXTURED paint(outside) after 2 mm thick Putty.
	Borewell	Provision of Borewell has been taken.
	Water Harvesting	Provision of water harvesting has been taken.
6	Rate	All rates has been taken as per schedule of Rate of C.G.P.W.D.Specification inforced from <b>1st. January 2015</b> .
7	Specification	Work will be executed as per C.P.W.D.Specification.

  
Sub engineer  
P.W.D.Sub Division-1  
Raipur

  
Sub Divisional Officer  
P.W.D.Sub Division-1  
Raipur

  
Executive Engineer  
P.W.D.Division no.-1  
Raipur

  
Superintending Engineer  
P.W.D., Raipur Circle No. .  
RAIPUR (C.G.)

# **STAGE 1 ESTIMATE FOR CONSTRUCTION OF PROPOSED DIET BUILDING IN CHHATTISGARH STATE**

1	<b>Plinth Area of New DIET Building</b>			
	Plinth Area			<b>1209.30 Sqm</b>
	Hence:-			
S.NO.	SUB.	PLINTH AREA(Sqm.)	UNIT RATE(per Sqm.)	TOTAL
A	Cost of Civil Work i/c Water Supply and Sanitary	<b>1209.30</b>	<b>18000.00</b>	<b>21767400.00</b>
			<b>Total A</b>	<b>21767400.00</b>
B	Add 12% for Internal Electrification			<b>2612088.00</b>
C	Add 2% for External Electrification			<b>435348.00</b>
D	Add 2% for CSPDCL Connection Charge			<b>435348.00</b>
			<b>Total B</b>	<b>25250184.00</b>
E	Add 8% for Supervision Charge(As per norms)			<b>2020015.00</b>
G	Add 1% for Workcharge and Contingency			<b>252502.00</b>
			<b>G.Total</b>	<b>27522701.00</b>
			<b>Say Rs.</b>	<b>275.23 Lacs</b>

S.E.

Sub Divisional Officer  
P.W.D., Sub Div.-1  
Raipur


Executive Engineer  
P.W.D.(B & R), Div.-1  
Raipur


Superintending Engineer  
P.W.D., Raipur Circle No. 1  
RAIPUR (C.G.)





## REPORT & SPECIFICATION

1	Name of Work	<b>THE CONSTRUCTION OF PROPOSED HOSTEL BUILDING FOR DIET IN CHHATTISGARH STATE</b>
2	Estimated Cost	<b>Rs. 238.18 Lacs</b>
3	Authority	
4	Neccesity	<i>As instructed by Director, State Council of Educatioal Research and Training, Chhattisgarh, Shankar Nagar, Raipur.</i>
5	Provision	<i>Following provisions has been made in the estimate.</i>
	Structure	R.C.C.Framed structure using Thermo-Mechanically treated bars.
	Walls	200 mm thick outer and inner wall and 100 mm thick toilet wall with Fly ash bricks in c.m. 1:6 (1 cement:6 coarse sand) & cement mortar plaster in c.m. 1:6 (1 cement : 6 fine sand).
	Door	Providing wood work/Cold rolled pressed steel sheet in frames of doors. Flush Door Shutters in Main Doors. P.V.C. Door in Toilets.
	Window	Cold rolled pressed steel sheet framed profiles made from commercial M.S. Sheets and M.S. Grill; Aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections as well.
	Toilets	Ceramic tiles dado upto door hight, flooring with ceramic Tiles.
	Flooring	Ceramic tiles, Vetrified Tiles in office and Class rooms. Kota stone for Stair Case, Chequered, terrazzo tiles for Ramp and precast interlocking concrete blocks For Courtyard/Parisar.
	Plumbing, sanitary and Water Supply	Standard and Quality fitting in water supply and sanitary.
	Paint	Distemper inside and PREMIUM TEXTURED paint(outside) after 2 mm thick Putty.
	Borewell	Provision of Borewell has been taken.
	Water Harvesting	Provision of water harvesting has been taken.
6	Rate	All rates has been taken as per schedule of Rate of C.G.P.W.D. Specification inforced from <b>1st. January 2015</b> .
7	Specification	Work will be executed as per C.P.W.D. Specification.

  
Sub engineer  
P.W.D. Sub Division-1  
Raipur

  
Sub Divisional Officer  
P.W.D. Sub Division-1  
Raipur

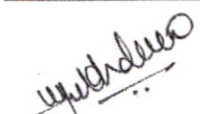
  
Executive Engineer  
P.W.D. Division no.-1  
Raipur


  
Superintending Engineer  
P.W.D., Raipur Circle No. 1  
RAIPUR (C.G.)




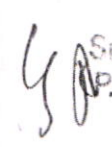
# **AGE 1 ESTIMATE FOR CONSTRUCTION OF PROPOSED HOSTEL BUILDING FOR DIET IN CHHATTISGARH STATE**

1	<b>Plinth Area of Proposed HOSTEL BUILDING FOR DIET</b>			
	Plinth Area			1046.50 Sqm
	Hence:-			
S.NO.	SUB.	PLINTH AREA(Sqm.)	UNIT RATE(per Sqm.)	TOTAL
A	Cost of Civil Work i/c Water Supply and Sanitary	1046.50	18000.00	18837000.00
			Total A	18837000.00
B	Add 12% for Entarnal Electrification			2260440.00
C	Add 2% for External Electrification			376740.00
D	Add 2% for CSPDCL Connection Charge			376740.00
			Total B	21850920.00
E	Add 8% for Supervision Charge(As per norms)			1748074.00
G	Add 1% for Workcharge and Contiengency			218509.00
		<b>G.Total</b>		<b>23817503.00</b>
		<b>Say Rs.</b>		<b>238.18 Lacs</b>

  
S.E.

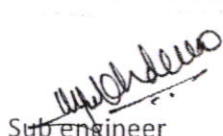
  
Sub Divisional Officer  
P.W.D., Sub Div.-1  
Raipur

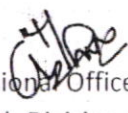
  
Executive Engineer  
P.W.D.(B & R), Div.-1  
Raipur


  
Superintending Engineer  
P.W.D., Raipur Circle No. 1  
RAIPUR (C.G.)

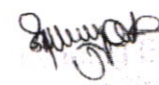
## REPORT & SPECIFICATION

1	Name of Work	<b>THE CONSTRUCTION OF PROPOSED STAFF QUARTER FOR A DIET IN CHHATTISGARH STATE</b>
2	Estimated Cost	<b>Rs. 67.69 Lacs</b>
3	Authority	
4	Neccesity	As instructed by Director, State Council of Educational Research and Training, Chhattisgarh, Shankar Nagar, Raipur.
5	Provision	Following provisions has been made in the estimate.
	Structure	R.C.C.Framed structure using Thermo-Mechanically treated bars.
	Walls	200 mm thick outer and inner wall and 100 mm thick toilet wall with Fly ash bricks in c.m. 1:6 (1 cement:6 coarse sand) & cement mortar plaster in c.m. 1:6 (1 cement : 6 fine sand).
	Door	Providing wood work/Cold rolled pressed steel sheet in frames of doors. Flush Door Shutters in Main Doors. P.V.C. Door in Toilets.
	Window	Cold rolled pressed steel sheet framed profiles made from commercial M.S. Sheets and M.S.Grill; Aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections as well.
	Toilets	Ceramic tiles dado upto door hight, flooring with ceramic Tiles.
	Flooring	Ceramic tiles, Vetrified Tiles in office and Class rooms. Kota stone for Stair Case, Chequered terrazzo tiles for Ramp and precast interlocking concrete blocks For Courtyard/Parisar.
	Plumbing, sanitary and Water Supply	Standard and Quality fitting in water supply and sanitary.
	Paint	Distemper inside and PREMIUM TEXTURED paint(outside) after 2 mm thick Putty.
	Borewell	Provision of Borewell has been taken.
	Water Harvesting	Provision of water harvesting has been taken.
6	Rate	All rates has been taken as per schedule of Rate of C.G.P.W.D.Specification inforced from <b>1st. January 2015</b> .
7	Specification	Work will be executed as per C.P.W.D.Specification.

  
Sub engineer  
P.W.D.Sub Division-1  
Raipur

  
Sub Divisional Officer  
P.W.D.Sub Division-1  
Raipur

  
Executive Engineer  
P.W.D.Division no.-1  
Raipur

  
Engineer  
P.W.D.Division no.-1  
RAIPUR (C.G.)



8/12

# AGE 1 ESTIMATE FOR CONSTRUCTION OF PROPOSED STAFF QUARTER FOR A DIET IN CHHATTISGARH STATE

1	Plinth Area of Proposed Staff Quarter			325.58 Sqm
	Hence:-			
S.NO.	SUB.	PLINTH AREA(Sqm.)	UNIT RATE(per Sqm.)	TOTAL
A	Cost of Civil Work i/c Water Supply and Sanitary	325.58	16000.00	5209280.00
			Total A	5209280.00
B	Add 12% for Internal Electrification			625113.60
C	Add 2% for External Electrification			104186.00
D	Add 1% for CSPDCL Connection Charge			52092.80
			Total B	5990672.40
G	Add 12% for Supervision Charge(As per norms)			718881.00
I	Add 1% for Workcharge and Contingency			59907.00
		G.Total		6769460.40
		Say Rs.		67.69 Lacs

S.E.

Sub Divisional Officer  
P.W.D., Sub Div.-1  
Raipur

Executive Engineer  
P.W.D.(B & R), Div.-1  
Raipur

Superintending Engineer  
P.W.D., Raipur Circle No. 1  
RAIPUR (C.G.)



(1) नये जिला शिक्षा प्रशिक्षण संस्थान का प्रथम चरण प्राक्कलन —

- संस्थान के भवन हेतु = रुपये 275.23 लाख
- संस्थान के हॉस्टल हेतु = रुपये 238.18 लाख
- संस्थान के स्टाफ Quarters हेतु = रुपये 67.69 लाख

.....  
कुल रुपये — 581.10 लाख (एक स्थान हेतु)

.....  
अतः तीन संस्थानों हेतु (दुर्ग, बीजापुर, एवं नारायणपुर) हेतु — रुपये 3x581.10 लाख

रुपये 1743.30 लाख

(1)

**Stage – I Estimate for construction of a BITE Unit (Block Institute of Teacher Education)**

-----XXX-----  
As per Guide lines of GAZETTE of India Extra Ordinary PART III-  
Sec. 4 Page 107 (Enclosed)

**(A) For D.El.Ed. Courses: -**

Built up area = 15000Sqm  
= 16140 sqft

@Rs 2000/- Per sft = 3,22,80,000/-

**Add for allied services**

(i) 12% of Water Supply Sanitary Fittings = 38,73,600/-

+

(ii) 9% for electrification = 29,05,200/-

+

(iii) 6 % for approach road = 19,36,800/-

+

**Rs. = 4,09,95,600/- (A)**

**Add More :-**

(i) 3.5% For contingencies = 14,34,846/-

and work charge on (A) +

(ii) 3.5 % for consultancies' = 14,34,846/-

And Architect Charges on (A)

**Rs. = 4,38,65,292/-**

Say **Rs. = 4,38,65,300/- (A)**

(2)

**(B) For Hostel = 50 Seaters**

Vide chapter VIII of BITEs Page (Enclosed)

**Norms :** - 110 sqft per inmate vide page 111 of Guide lines for implementation of booklet June 2012 issued by Govt. of India. MHRD.

Hence built up area of Hostel of 50 Seaters (i.e.of 25 of Doubles seat)

$$= 50 \times 110 \text{ Sqft} = 5500 \text{ sft}$$

@ Rs.2500/- Sqft = Rs. (including)

equipments and furniture fittings . = 1,37,50,000/-

$$= 16140 \text{ sqft}$$

**Add for allied services : -**

(i) 12% of Water Supply Sanitary Fitting = 16,50,000/-

+

(ii) 9% for electrification = 12,37,500/-

+

(iii) 6 % for approach road = 8,25,000/-

**Rs. = 1,74,62,500/-**

**Add More :-**

(i) 3.5% For contingencies = 6,11,188/-

and work charge on (A) +

(ii) 3.5 % for consultancies' = 6,11,188/-

Charges on (A) **Rs. = 1,86,84,876/-**

Say **Rs. = 1,86,85,000/- (B)**



(3)

**Continued : -**

(C) For Staff qrs for one unit of "BITE" as per prescribed booklets of June 2012 issued by Govt. of India MHRD. Page (111). The area is 7000 sqft.

The stage -I- estimate cost will be 7000sft@ Rs.1500/sft as detailed below  
= Rs.1,05,00,000/-

**Add for allied services**

(i) 12% of Water Supply Sanitary Fitting	=	12,60,000/-
(ii) 9% for electrification	=	9,45,000/-
(iii) 6 % for approach road	=	6,30,000/-
<b>Rs.</b>	<b>=</b>	<b>1,33,35,000/-</b>
	<b>=</b>	<b>1,33,35,000/- (A')</b>

**Add More :-**

(i)	3.5% For contingencies and work charge on (A')	=	4,66,725/-
(ii)	3.5 % for consultancies' on (A')	=	4,66,725/-
	<b>Expected expenditure</b>	<b>=</b>	<b>1,42,68,450 (C)</b>

Hence : -

For one unit of new BITE.

Vide N/1 (A) for D.El.Ed.(institute)	Rs.	=	4,38,65,300/-
Vide N/2 (B) for Hostel 50 Seaters	Rs.	=	1,86,85,000/-
Vide N/3 (C) for Staff qrs.	Rs.	=	1,42,68,450/-
<b>Total</b>	<b>Rs.</b>	<b>=</b>	<b>7,68,18,750/-</b>

And hence for 3 units of new BITES

$$\begin{aligned}\text{Rs.} &= 3 \times 7,68,18,750/- \\ &= 23,04,56,250/-\end{aligned}$$

Say **Rs. = 2304.56 Lac. (D)**

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(4)

Now stage-I- Estimate for 3 BITEs merged with “old DIETs” where only Hostel, staff qrts and one Block of 500 sqm built up area are required to be constructed.

**Stage-I–Estimate for one block of built up area of 500 sqm  
for “BITEs” to be merged with existing DIETs**

-----XXX-----

Block of 500 Sqm. Built up area. =  $500m^2 \times 10.76^{sft} = 5380sqft$

Built up area rate @ 2000/sft

=  $5380sft \times 2000sft = Rs.1,07,60,000/-$

**Add for allied services**

(i) 12% of Water Supply Sanitary Fittings	=	Rs.12,91,200/-
(ii) 9% for electrification	=	Rs.9,68,400/-
(iii) 6 % for approach road	=	Rs.6,45,600/-
	=	<b>Rs.1,36,65,200/-</b>

**Add More :-**

(ii)	3.5% For contingencies and work charge on (A)	=	Rs.4,78,282/-
			+
(ii)	3.5 % for consultancies' and Archived	=	Rs.4,78,282/-

**Expected expenditure** = **Rs.1,46,21,764/-**

for one block of one unit Say Rs. = Rs.1,46,21,800/- (K)

Now Total cost of one unit of “BITE” to be merged with the old DIETs  
(Existing DIETs) =

P.T.O.

1. Cost of Hostel 50 Seaters Vide Page 2(B)	Rs. = 1,86,85,000/-
2. Const of staff qrs vide.P.3(C)	Rs. = 1,42,68,450/-
3. Construction of one Extra. New block of 500sqm. Area vide P.4(K)	Rs. = 1,46,21,800/-
<b>Total</b>	<b>Rs. = 4,75,75,250/-</b>

And Hence cost of 3 units of "BITEs" to be merged with "Existing DIETs"

$$\begin{aligned}
 \text{Rs.} &= 3 \times 4,75,75,250/- \\
 &= 14,27,25,750/- \\
 &= 14,27,26,000/- \\
 \text{Say Rs.} &= \mathbf{1427.26 \text{ Lacs.}} \quad (\text{E})
 \end{aligned}$$

**Therefore ;**

**- Stage – I – Estimate for**

**1. The cost of 3 new "BITEs" Page-3(D) = Rs. 2304.56 Lac.**

**2. The cost of 3 new "BITEs" to  
be merged with existing "DIETs"**

Page – 5 (E) = Rs. 1427.26 Lac.

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