

॥ कार्यालय नगर पालिक निगम, दुर्ग ॥

—: मेनुअल निविदा आमंत्रण सूचना :-

क्रमांक/559/लो0क0वि0अ0/2023-24

दुर्ग, दिनांक- 22/02/2023

एकीकृत पंजीयन प्रणाली अंतर्गत सक्षम श्रेणी में पंजीकृत ठेकेदारों से लो.नि.वि. में प्रचलित भवन एस0ओ0आर0 दिनांक 01.01.2015 एवं विद्युत एस0ओ0आर0 दिनांक 01.06.2020 तथा नान0एस0ओ0आर0 में निविदा दिनांक तक संशोधित दर पर कम/अधिक प्रतिशत दर पर तीन लिफाफा पद्धति के माध्यम से स्पीड पोस्ट/पंजीकृत डाक से निम्नांकित निर्माण कार्य हेतु निविदा आमंत्रित की जाती है :-

निविदा प्रपत्र क्रय करने हेतु आवेदन प्रस्तुत करने की अंतिम तिथि

— 02/03/2023

निविदा प्रपत्र जारी करने की अंतिम तिथि

— 09/03/2023

निविदा जमा करने की अंतिम तिथि

— 14/03/2023

निविदा खोलने की तिथि

— 16/03/2023 शाम 4.00 बजे

क्र.	कार्य स्थल/कार्य का नाम	अनु० लागत (रु.लाख में)	अमानत राशि रु.	निविदा प्रपत्र की कीमत	निविदा प्रपत्र का प्रकार	ठेकेदार की श्रेणी	समयावधि
1	वार्ड क्र० 31/32 के मुख्य मार्गों में रोड में मार्किंग तथा सोलर CAT-I कार्य। (महापौर निधि 2022-23)	5.47	4102/-	750/-	"अ"	"द" एवं उससे ऊपर	03 माह
2	वार्ड क्र० 40 सुराना कालेज वार्ड में पार्श्व निधि से विभिन्न कार्य करवाने हेतु। (पार्श्व निधि 2022-23)	5.00	5000/-	750/-	"अ"	"द" एवं उससे ऊपर	02 माह
3	वार्ड क्र० 37 सांस्कृतिक भवन का संधारण कार्य।(पार्श्व निधि 2020-21, 2021-22 की बचत राशि से)	2.17	2170/-	750/-	"अ"	"द" एवं उससे ऊपर	02 माह
4	वार्ड क्र० 32 में सी0सी0 रोड एवं नाली निर्माण कार्य।(महापौर निधि 2022-2023)	3.00	3000/-	750/-	"अ"	"द" एवं उससे ऊपर	03 माह
5	वार्ड क्र० 51 में सी0सी0टी0वी0 कैमरा लगाने हेतु। (एल्डरमेन निधि 2022-23)	2.50	2500/-	750/-	"ब"	"द" एवं उससे ऊपर	1 माह
6	वार्ड क्र० 19 कैलाश नगर, दुर्ग में एक नए चबुतरे का निर्माण व अन्य चबुतरे का रिनोवेशन कार्य बाबत। (महापौर निधि 2023-24)	4.00	4000/-	750/-	"अ"	"द" एवं उससे ऊपर	02 माह
7	वार्ड क्र० 29 रविशंकर स्टेडियम में शौचालय निर्माण कार्य। (खनिज मद 22-23)	4.20	4200/-	750/-	"अ"	"द" एवं उससे ऊपर	03 माह
8	वार्ड क्र० 29 निगम ऑफिस में शौचालय निर्माण कार्य। (खनिज मद 22-23)	5.00	5000/-	750/-	"अ"	"द" एवं उससे ऊपर	03 माह
9	वार्ड क्र० 29 शीतला मंदिर प्रांगण के पास शेड निर्माण कार्य हेतु (खनिज मद 22-23)	15.00	11250/-	750/-	"अ" एवं "ब"	"द" एवं उससे ऊपर	06 माह
10	वार्ड क्र० 10 सार्वजनिक मंच निर्माण करने बाबत। (पार्श्व निधि 2022-23 की बचत राशि से)	0.99	1980/-	300/-	"अ"	"द" एवं उससे ऊपर	01 माह

11	वार्ड क0 22 चबूतरा निर्माण एवं विभिन्न जगहों पर नाली निर्माण व मरम्मत कार्य हेतु। (पार्षद निधि 2020-21, 2021-22 की बचत राशि से)	3.05	3050/-	750/-	"अ"	"द" एवं उससे ऊपर	03 माह
12	वार्ड क0 10 शंकर नगर में सामुदायिक भवन में टाईल्स एवं ग्रेनाइट व मार्बल शौचालय निर्माण कराने बाबत।	1.01	2020/-	750/-	"अ"	"द" एवं उससे ऊपर	01 माह

—: नियम व शर्तें :-

- 01- निविदा प्रपत्र हेतु आवेदन के साथ जीवित पंजीयन की प्रति, पेन कार्ड, अंतिम तिमाही/मासिक का GST रिटर्न की प्रति व जी एस.टी. रजिस्ट्रेशन की छायाप्रति संलग्न करें। वित्तीय वर्ष 2021-22 का ITR (इन्कम टैक्स रिटर्न) की प्रति, संलग्न प्रपत्रों की सत्यता एवं काली सूची में न होने बाबत शपथ पत्र संलग्न करें। प्रत्येक कार्य हेतु पृथक-पृथक आवेदन प्रस्तुत करना होगा।
- 02- निविदा प्रपत्र का मूल्य आयुक्त, नगर निगम, दुर्ग को देय डिमाण्ड ड्राफ्ट के रूप में संलग्न करना होगा।
- 03- अमानत राशि का एफ.डी.आर. आयुक्त, नगर पालिक निगम, दुर्ग एवं संबंधित निविदाकार के संयुक्त नाम से देय होगा।
- 04- प्रथम लिफाफा "अ" में अमानत राशि डालना होगा एवं अमानत राशि संबंधी जानकारी लिफाफा में उल्लेख करना होगा।
- 05- लिफाफा "ब" में निविदा प्रपत्र में निविदा दर प्रस्तुत करना होगा।
- 06- लिफाफा "स" में लिफाफा "अ" और "ब" को रखना होगा, जिसके ऊपर निविदा क्र. एवं कार्य का विवरण अंकित करना होगा।
- 07- अनुमानित निविदा लागत से 10% से कम निविदा दर प्राप्त होने पर नियमानुसार निविदा दर एवं अनुमानित लागत के 90% के अंतर की राशि का एफ0डी0आर0 परफार्मेंन्स गारंटी के रूप में आयुक्त, नगर पालिक निगम, दुर्ग के नाम से अनुबंध के पूर्व जमा करना होगा अन्यथा की स्थिति में अमानत राशि राजसात कर ली जावेगी।
- 08- सशर्त निविदा स्वीकार नहीं किया जावेगा।
- 09- यदि निविदा में किसी भी प्रकार का संशोधन/परिवर्तन किया जाता है, तो निगम के वेबसाइट में अपलोड किया जावेगा जिसका अवलोकन किया जा सकता है। समाचार पत्रों में इसकी सूचना प्रकाशित नहीं कराया जावेगा।
- 10- निविदा स्वीकृत अथवा अस्वीकृत करने का अधिकार आयुक्त, नगर पालिक निगम, दुर्ग के पास सुरक्षित रहेगा।
- 11- कार्य प्रारंभ होने के पूर्व, कार्य करते हुए एवं कार्य पूर्ण होने की स्थिति में पृथक-पृथक फोटोग्राफ्स प्रस्तुत करना होगा एवं छ0ग0 शासन द्वारा निर्माण कार्य में प्रयुक्त प्रचलित नियमों/अधिनियमों में उल्लेखित प्रावधान का पालन करना अनिवार्य होगा, जिसकी संपूर्ण जवाबदारी ठेकेदार की होगी।
- 12- कंडिका क्रमांक 17,18 एवं 19 नान एसओआर कार्य रजिस्टर्ड फर्म/पंजीकृत ठेकेदार/अधिकृत डिलर निर्माता द्वारा भी निविदा में भाग लिया जा सकता है।

पृ0क्रमांक/559/लो0क0वि0अ0/2023-24
प्रतिलिपि :-

- 1- मान0 महापौर, नगर पालिक निगम, दुर्ग की ओर सूचनार्थ प्रेषित।
- 2- मान0 सभापति, नगर पालिक निगम, दुर्ग की ओर सूचनार्थ प्रेषित।
- 3- प्रभारी, नगरीय नियोजन एवं लोक कर्म विभाग, नगर पालिक निगम, दुर्ग की ओर सूचनार्थ प्रेषित।
- 4- नोडल अधिकारी, डाटा सेंटर, नगर पालिक निगम, दुर्ग की ओर वेब साइट में अपलोड करने हेतु।
- 5- नोटिस बोर्ड में चस्पा हेतु, नगर पालिक निगम मुख्य कार्यालय भवन हेतु।
- 6- प्रोग्रामर, डाटा सेंटर, संचालनालय नगरीय प्रशासन एवं विकास, रायपुर को विभागीय वेब साइट में अपलोड करने हेतु।

कार्यपालन अभियंता,
वास्ते/-आयुक्त,
नगर पालिक निगम, दुर्ग.
दुर्ग, दिनांक/22/02/2022

कार्यपालन अभियंता,
वास्ते/-आयुक्त,
नगर पालिक निगम, दुर्ग.

MUNICIPAL CORPORATION DURG

Estimate

Name of work : वार्ड क्र 32 के मुख्य मार्गों में रोड मार्किंग तथा सोलर CAT-I

Estimate for

AS PER ROAD S.O.R. 01.01.2015

	No.	Length	width	thick	QTY.	Unit
1	2	600	0.15		180	sqm
8.13 Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface (Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35-1997. The finished surface to be level, uniform and free from streaks and holes.)						
2	2	60			120	Each
8.46 Providing and fixing of Solar Raised Pavement Markers made of polycarbonate molded body with circular shape, solar powered, LED self illumination in active mode, 360 degree illumination and reflective panels with micro-prismatic lens capable of providing total internal reflection of the light entering the lens face in passive mode. The marker shall support a load of 20000 kg tested in accordance to ASTM D 4280. The marker should be resistant to dust and water ingress according to IP 65 standards and should withstand temperatures in the range of 0oC to 70oC. Color of lighting could be provided in red or yellow (amber) as per requirement and typical frequency of blinking is 1Hz. There should be current losses of less than 20 micro-amperes at 2.4 V in sleep-charging mode to enhance the life of the marker and a full charge should provide for a minimum autonomy of 50 hours. The height, width and length of the marker shall not be less than 10 mm x 100 mm x 100 mm. Also, the surface diameter of the marker shall not be less than 100 mm respectively. The weight of the marker shall not exceed 0.5 Kilograms. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.						
Technical Sanctions is here by Accorded for Rs. 5,47,191/- In words Rs. पाँच लाख सैंतालीस हजार						
Vide estt. No. /TS/						total
Date: 23/11/23.						SaY

Exe. Engineer
Nagar Nigam Durg

Asst. Engineer
Nagar Nigam Durg

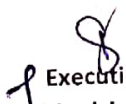
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MUNICIPAL CORPORATION DURG

NIT FOR construction of

(BUILDING SOR W.E.F.1.1.2015)

S NO.	ITEMS	NO	QTY.	UNIT
	Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm Pigment Coloured (rubber mould) precast interlock concrete blocks		706.6	sqm
	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.		95.6	cum
	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).		4.34	cum
	TOTAL			


 Executive Engineer
 Municipal Corporation
 Durg

MUNICIPAL CORPORATION DURG (C.G.)
NIT FOR CONSTRUCTION OF samudaik bhawan NO 37 KABAR PARA NEAR GAURA CHOWK and
suryoday nagar
(As per BUILDING SOR W.E.F. 01.01.2015)

S.No.	Particulars	Qty	Unit
1	Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area).	9.00	Sqm
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soils		
	Column	8.64	
	Walls	1.62	
		0.97	
		11.23	CuM
3	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).		
	Column	0.86	
	Walls	0.81	
	Steps	0.40	
	Floor	0.68	
		2.75	CuM
4	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).		
	Columns	0.86	
	Tapered	0.90	
	Above Tapered up to p. l.	0.38	
	Plinth Beam	0.47	
		0.54	
	Slab Beam	0.31	
		0.36	
	R.C.C. Slab	1.09	
		4.91	CuM
5	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: Cold twisted bar / Hot rolled deformed steel	385.51	Kg
6	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:		
	A. Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.		
	Above Tapered up to p. l.	5.04	
	Plinth Beam	3.60	
		0.00	
		8.64	Sqm
	B Columns, Pillars, Piers and likes- rectangular or square in shape	15.12	Sqm
	C Beams, lintels, cantilevers & walls	7.20	
		6.48	
		13.68	Sqm

	D Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	10.89	Sqm
7	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand)		
	Below GL	2.70	
	Steps	1.19	
		0.53	
		0.26	
		4.68	CuM
	Brickwork in superstructure	10.80	
	Steps	0.43	
		0.11	
		0.03	
		11.37	CuM
8	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.		
		2.03	
		2.03	CuM
9	Providing and fixing steel door/ window with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of angle/ flat iron of suitable size, 3.00 mm M.S. gusset plates at junctions and corners, all necessary fittings complete including applying a priming coat of red oxide zinc chromate primer.		
	Door	3.15	
	Window	0.00	
	Ventilator	0.00	
		3.15	Sqm
		60.00	kg
10	Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete. 12.7.1 Size upto 200x300mm	20.00	sqm
	Providing and laying vitrified floor tiles with soluble salt printing, of size 600x600mm with water absorption less than 0.5% and conforming to IS : 15622 of approved make, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.	9.00	sqm
11	Providing and making 15mm thick cement plaster with under layer of 12mm thick cement plaster 1:5 (1 cement : 5 fine sand) finished with a top layer of 6mm thick cement plaster 1:3 (1 cement : 3 fine sand).		
		36.75	Kg
12	Finishing walls with water proofing cement paint of required shade to give an even shade. On new work (Two or more coats applied @ 3.84 kg/10 sqm)		
		26.60	Sqm
13	Providing stainless steel railing/ grill made of S.S. flats, hollow S.S. pipe or square/ rectangular sections of approved design fixing in stair case, balcony or other places with metal fasteners and stainless steel bolts etc complete. SS Grade 204	143.00	kg
14	electricity lumpsum	5000.00	RS

Executive Engg
Municipal Corporation Durg

MUNICIPAL CORPORATION DURG (C.G.)

NIT CONSTRUCTION WORK OF DRAIN, CULVERT AT

at NO 32 near
Jain mandir in
Anmol jain

S.No.	Particulars	Qty	Unit
1	Demolishing cement concrete including disposal of material within 50 metre lead.	1.13	
		1.13	CUM
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.		
	drain	35.00	
		35.00	CUM
3	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).		
		5.00	
		5.00	CUM
4	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.		
		60.00	
		60.00	SQM
5	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).		
	DRAIN	12.00	
		12.00	CUM
6	Providing and fixing un-polished 45mm to 50mm thick RAJIM SAND STONE in floors laid on sand bed of average thickness 50mm and pointing with cement mortar 1:3 (1 cement : 3 coarse sand) including finishing complete.		
		30.00	
		30.00	SQM
7	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: 3.12.1 Thermo-Mechanically treated bars FE 415		
		300.00	
		300.00	KG
8	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).		
		2.09	
		2.09	CUM


 Executive Engg
 Municipal Corporation Durg

MUNICIPAL CORPORATION DURG (C.G.)

DETAILED ESTIMATE FOR CCTV CAMERA WARD no 51

NON SOR ITEM

NO	ITEMS	NO	L	B	D/H	QTY	RATE	UNIT
1	2MP FULL HD IP BULLET CAMERA H 265 1/2. 8PROGRESIVE SCAN CMOS, 2 MP RESOLUTION DIGITAL WDR 3D DNR , 30 M IR RANGE, 4MM LENCE , POE CAMERA (UNV, SONY, HI, PELCO)	12				12		EACH
2	32C CHENNEL NVR 2 SATA PORT, SUPPORT ULTRA H 265 VIDEO COMPRESSION UP TO 16 CIF RESOLUTION RECORDING ,VGA OUTPUT AT 1280 *1024 RESOLUTION , DUAL STREAM , 32 CH SYNCHRONOUS PLAYBACK SAND IP FINDER NTP DHCP, SMTP PROTOCOLS (UNV, SONY, HI FOCUS PELCO)	1				1		EACH
3	STABILIZER OPERATING VOLTAGE : 90-300 VOLTS, SAVE POWER TECHNOLOGY LOW AND HIGH CUT FOR PROTECTION IFB	2				2		EACH
4	4TB HDD SURVEILLANCE (SEAGATE, TOSHIBA, WESTERN,DIGITAL)	1				1		EACH
5	PORT DESTOP POE GB SWITCH 10x 100x 1000 (D LINK, UNV, HI FOCUS)	6				6		EACH
6	MONITOR 32 INCH	1				1		EACH
7	UPS OFF MODE BATTERY CHARGING WITH HIGH VOLTAGE PROTECTION BACKUP TIME 15-20 MIN AT BATTERY FULL CONDITION CAPACITY 600VA / 300W 9APIANTEX LUMINOUS ZEBRONICS)	1				1		EACH
8	CAT 6 CABLE OUTDOOR 9 FINOLEX , D LINK , POLYCABLE , HI FOCUS 0	755				755		M
9	INSTALLATION CHARGE 10.50 Lakh	12				12		EACH
10	ANNUAL MAINTENANCE CHARGE 1400	1400				1400		M
11	FIBER OPTIC (VOILET PARAMOUNT STERLITE	1				1		EACH
12	NETWORK RACK 9U	1				1		EACH
12	OUTDOOR RACK	1				1		EACH

.....Date 21/12/22

SAY AS 2.50 LACS


26/11/22
EXECUTIVE ENGINEER
MUNICIPAL CORPORATION
DURG (C.G.)


ASSISTANT ENGINEER
MUNICIPAL CORPORATION
DURG (C.G.)


SUB ENGINEER
MUNICIPAL CORPORATION
DURG (C.G.)

MUNICIPAL CORPORATION DURG

NIT FOR CONSTRUCTION AND RENOVATION WORK OF CHABUTRA AT WARD 19 KAILASH NAGAR

BUILDING SOR(01/01/2015)

S NO.	ITEMS	QTY	UNIT
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. 1.1.1 In all types of soils.	0.54	cum
2	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.	0.18	cum
3	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in Cement Mortar 1:6 (1 cement : 6 coarse sand)	0.12	cum
4	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete Thermo-Mechanically treated bars FE 500D	150.00	KG
5	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level	3.60	
		8.32	
		4.80	
		16.72	SQM
6	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size)	0.36	
		0.24	
		0.42	
		1.02	CUM
7	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix in Cement Mortar 1:5 (1 cement : 5 fine sand)	1.80	
		1.20	
		0.52	
		3.52	SQM
8	Providing and laying vitrified floor tiles with soluble salt printing, of size 600x600mm with water absorption less than 0.5% and conforming to IS : 15622 of approved make, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete	6.25	
		6.00	
		8.32	
		6.00	
		60.00	
		27.00	
		113.57	SQM
9	Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete. Size above 300x300mm	18.00	
		36.00	
		54.00	SQM
10	Providing stainless steel railing/ grill made of S.S. flats, hollow S.S. pipe or square/ rectangular sections of approved design fixing in stair case, balcony or other places with metal fasteners and stainless steel bolts etc complete. 9.57.1 SS Grade 204	310.00	KG

11	Providing and placing in position angle iron post and strut of required size including bottom to be split and bent at right angle in opposite direction for required length and drilling holes upto 10 mm dia as per requirement including priming coat with red oxide zinc chromate primer and placing the post/ strut in cement concrete block.	200.00	KG
12	Supply and fixing of pre-coated galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 In 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape	60.00	SQM
13	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size	5.00	cum
14	15 mm thick Marble work (machine cut, table rubbed & polished) for wall lining (veneer work) in cement mortar 1:3 (1 cement : 3 coarse sand) including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) mixed with matching pigment. (Area of slab should be over 0.5 sqm) Agaria White	6.25	SQM
15	White washing with lime to give an even shade. 14.5.1 On new work (Three or more coats	24.00	SQM
16	Painting exterior surface with PREMIUM ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with: 14.16.1 On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	24.00	SQM


 EXECUTIVE ENGINEER
 MUNICIPAL CORPORATION
 DURG

MUNICIPAL CORPORATON DURG

Estimate for construction of Toilet at RAVISANKAR STADIUM W. NO. 29 Durg

This Estimate is Prepared as per S.O.R. of P.W.D. With Effect From 01-01-2015

S.No.	Particulars	No.	Length	Width	Hight	Qty	Unit
1.2	Surface dressing of ground including removing vegetation and making up undulation and in equities not exceeding 15 cms in depth & disposal of rubbish up to 1.5m lift & 50m lead.						
	1	1	20.00	5.00	1	100.00	Sqm
1.1.1	Earth work in excavation in foundation including disposal of excavated stuff up to 1.5 m lift and lead up to 50m including levelling of pits in all types of soil						
	Column	6	1.20	1.20	1.80	15.55	
	long Walls	2	6.10	0.45	0.20	1.10	
	short Walls	3	3.25	0.45	0.20	0.88	
	Steps	1	6.10	0.90	0.20	1.10	
	Septic tank	1	3.80	3.20	2.00	24.32	
	soak pit	1	3.20	2.40	1.50	11.52	
						54.47	CuM
1.18	Filling in plinth with sand and moorum or crushure stone dust including watering ramming and consolidating complete in	2	3.25	2.75	0.60	10.73	Cu m
2	Providing & Fixing Formwork i/e centering shuttering strutting staging propping bracing etc. complete including its removal for-						
2.1.1	A. Found'n footing base of Column Plingth Beam in any size & Shape						
	Tapered	24	1.2		0.30	8.64	
	Above Tapered up to P.L.	12	0.3		0.75	2.70	
		12	0.2		0.75	1.80	
	plinth Beam (200x300mm)						
	long wall outer	2	6.10		0.30	3.66	
	long wall inner	2	5.50		0.30	3.30	
	short wall outer	2	3.65		0.30	2.19	
	short wall inner	4	3.25		0.30	3.90	
						26.19	Sqm
2.1.5	B. Column Pillers Like Rectangle or Square Shape						
	column (200x300mm)	12	0.30		3.3	11.88	
		12	0.20		3.30	7.92	
						19.80	Sqm
2.1.8	C. Beam Lintels Centilevers & Walls						
	long wall outer	2	6.10		0.20	2.44	
	long wall inner	2	5.50		0.20	2.20	
	short wall outer	2	3.65		0.20	1.46	
	short wall inner	4	3.25		0.20	2.60	
						8.70	Sqm
2.1.7	D. Suspended floors, roof, access platforms balconies & Slaves						
	long wall outer	2	6.10		0.075	0.92	
	long wall inner	2	5.50		0.075	0.83	
	short wall outer	2	3.65		0.075	0.55	
	short wall inner	4	3.25		0.075	0.98	
		2	3.25	2.75		17.88	
	Slab						
	projection	1	6.7	0.3		2.01	
	back	2	3.65	0.3		2.19	
	left & right	1	6.70	0.60		4.02	
	front	1	22.50		0.125	2.81	
		2	3.00		0.125	0.75	
	septic tank raft	2	2.40		0.125	0.60	
		1	2.40	1.80		4.32	
	septic tank slab	2	2.80		0.125	0.70	
		2	2.20		0.125	0.55	
						39.09	Sqm
3.1.2	Providing and laying nominal mix mixed C.C using concrete mixture .with 40 mm graded metal in 1:4:8C.C.						
	Column	6	1.30	1.30	0.10	1.01	
	long Walls	2	6.10	0.30	0.10	0.37	
	short Walls	3	3.25	0.30	0.10	0.29	
	Steps	1	6.00	0.90	0.10	0.54	
	Floor	2	3.25	2.75	0.10	1.79	
	septic tank base	1	3.00	2.40	0.10	0.72	
						4.72	CuM
3.2.1	Providing & Laying nominal mix RCC using concrete mixture. with 20mm graded nominal sizes metal in 1:1.5:3 C.C. excluding centering shuttering & reinforcement.						
	Column Jali	6	1.20	1.20	0.20	1.73	
	Tapered	6	0.25	0.75	0.30	0.34	
	Above Tapered up to P.L.	6	0.2	0.30	1.05	0.38	
	Above P.L. to S.L.	6	0.2	0.30	3.30	1.19	
	Plinth Beam	1	21.20	0.20	0.30	1.27	

	Lintel Beam	1	21.20	0.20	0.20	0.85	
	Slab Beam	1	21.20	0.20	0.075	0.32	
	R.C.C. Slab with projection out side	1	6.7	4.55	0.125	3.81	
	septic tank raft	1	3	2.40	0.100	0.72	
	septic tank slab	1	2.8	2.20	0.125	0.77	
						11.37	Cum
3.12.1	Providing & Placing in Position steel bars including cutting bending binding including cost of binding wire & all wastages @ 1.0% of R.C.C. work.					1000.00	Kg
3.13	Providing and laying damp proof course (upto 50mm thick) with plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including form work.						
	long wall	2	5.3	0.20	0.05	0.106	
	short wall	3	3.15	0.20	0.05	0.095	
						0.201	cum
7.5.4	Brick work with modular Fly -Ash lime bricks conforming to I.S. 12894-2002 of class design 40 in foundation & Plinth in 1:6 C.M.						
	Below G.L.						
	long wall	2	5.3	0.20	0.30	0.636	
	short wall	3	3.15	0.20	0.30	0.567	
	Steps	1	6.10	0.60	0.20	0.732	
		1	6.10	0.30	0.20	0.366	
	septic tank	2	2.80	0.20	1.80	2.016	
		2	1.80	0.20	1.80	1.296	
	partition wall	1	1.80	0.10	1.80	0.324	
						5.937	CuM
7.6	Brick work with modular Fly -Ash lime bricks conforming to I.S. 12894-2002 of class design 40 in Super Structure in 1:6 C.M.						
	long wall	2	5.3	0.20	2.90	6.148	
	short wall	3	3.15	0.20	2.90	5.481	
	parapet long wall	2	6.10	0.20	1.00	2.44	
	parapet short wall	2	3.25	0.20	1.00	1.3	
						15.37	CuM
9.57.2	Providing stainless steel railing/ grill made of S.S. flats, hollow S.S. pipe or square/ rectangular sections of approved design fixing in stair case, balcony or other places with metal fasteners and stainless steel bolts etc complete.						
	SS Grade 304			L.S.		20.00	kg
11.3.3	15 mm thick plaster in 1:5 C.M. (Outer)						
	long wall	2	6.10		3.90	47.58	
	short wall	2	3.65		3.90	28.47	
	projection						
	back	1	6.7	0.3		2.01	
	left & right	2	3.65	0.3		2.19	
	front	1	6.70	0.60		4.02	
		1	22.50		0.125	2.81	
	parapet long wall	2	6.10		1.00	12.20	
	parapet short wall	2	3.65		1.00	7.30	
		2	5.70		1.00	11.40	
		2	3.25		1.00	6.50	
	septic tank (inner)	2	3.00		2.40	14.40	
		2	2.00		2.40	9.60	
	outer	2	3.40		2.40	16.32	
		2	2.00		2.40	9.60	
	partition wall	2	2.00		2.00	8.00	
	Deduction					182.40	
	D	1	1.00		2.100	2.10	
					(-)	2.10	
						180.30	Sqm
11.5	Neat Cement punning	2	3.00		2.40	14.40	
	septic tank (inner)	2	2.00		2.40	9.60	
	partition wall	2	2.00		2.00	8.00	
						32.00	Sqm
11.2.3	12 mm thick plaster in 1:5 C.M. (inner)						
	long wall	2	5.50		3.175	34.93	
	short wall	4	2.75		3.175	34.93	
	partition wall	4	1.85		3.175	23.50	
		4	1.20		3.175	15.24	
						108.59	
	Deduction						
	D	2	1.00		2.10	4.20	
	D1	4	0.75		2.10	6.30	
					(-)	10.50	
						98.09	Sqm

21.18	Providing and Fixing filter of 200 litre capacity for roof top rain water harvesting.....for required size complete as directed by engineer.					100.00	Litre
12.6	Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat of neat cement.						
	50 mm thick	1				23.00	sqm
12.7	Providing & Fixing ceramic Glazed wall tiles co.to is 15622, of app. Quality.... pigment Complete. Size 200x300.						
	Gents & ladies	2	16.00		2.10	67.20	
	front wall					16.00	
						83.20	Sqm
12.9	Providing & Fixing ceramic Glazed Floor tiles app. Size, shape, & make co.to is 15622, of app. Quality.... pigment Complete. Size 300x300.						
	Gents & ladies	2	4.00	3.00		24.00	
	steps	4	6.10	0.30		7.32	
						31.32	Sqm
12.45	15 mm thick Table rubbed polished Granite stone slab flooring laid over 20mm (Average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing etc. complete. (Area of slab should be 0.50 sqm and above)						
	Granite stone grey/pink	1	4.00	2.00		8.00	Sqm
12.65.1	Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm						
	Plain/ normal coloured precast interlock concrete block	1	6.20	1.50		9.30	sqm
14	Providing and fixing 12mm thick pre-laminated particle board flat pressed with decorative lamination and balancing lamination on specified sides exterior Grade – I MDF Board 12 mm thick confirming to IS:14587, including fixed in aluminium doors, windows shutters and partition frames with C.P. brass/ stainless steel screws etc. complete.						
	With decorative lamination on both side (9.50.2) Door	2	0.75		2.10	3.15	
	Door1	2	1.00		2.10	4.20	
	Ventilation	4	0.60		0.45	1.08	
						8.43	Sqm
14.9.1	Painting with acrylic washable distemper on new work two or more coat						
		1	1	1	1	40.00	Sqm
14.14.1	Finishing wall with water proofing cement paint .two or more coat to get smooth surface .						
		1	1	1	1	94.00	Sqm
18.4.1	Providing & Fixing vitreous China water closet (European type W.c. Pan with ISI Marked Plastic seat 10 liter low level cistern white flushing cistern co.to is 7231wherever required, White Pattern type						
		2	1	1	2	2.00	Each
18.13.1	Providing and fixing white vitreous china urinal basin with waste fitting as per IS : 2556, and other couplings in C.P. brass complete:						
	Gents	1	3			3.00	each
18.16	Providing and fixing one piece construction white vitreous china squatting plate urinal with an integral rim longitudinal flushing pipe. (women)						
		1	3			3.00	each
18.17.2	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :						
	White Size 550x400 mm	1	4			4.00	each
18.30.1	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :						
	5mm thick	2	2		1	4.00	sqm

18.77.1	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete.						
	75 mm dia pipe.	1	8			8.00	mtr
	75 mm dia pipe.	1	11			11.00	mtr
	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. Tee/ Tee with door/ Bend 45°/ Bend 90°						
18.77.7	Multi floor trap 110	1	6			6.00	each
18.77.5	"P" trap 110mmx110mm long	1	2			2.00	each
	P/F cancelled in wall GI pipes medium class complete with GI fittingscomplete						
19.8.1	15mm dia	1	10	1	1	10.00	Each
19.8.2	25mm Dia	1	5	1	1	5.00	Each
19.42	P/P on terrace (at all floor level) polythelene water storage tank isi 12701 marked with cover & suitable locking arrangement ..tank						
		1	500	1	1	500.00	Liter
19.15	P/F Stainless Steel Drain Jali Of app.make.						
		4	1	1	1	4.00	Each
19.16.1	P/F brass/gun metel gate valve of app .Quality .						
		1	1	1	1	1.00	Sqm
19.13.2	P/F 15mm nominal bore Brass bib/stop cock of app .Quality.Bib cock 350 grms						
		6	1	1	1	6.00	Each
Technical Sanctions is here by							
Providing and constructing soak pit 1.20x1.20x1.20m filled with brickbats							
20.3	in words Pa. 100 mm diameter and 1.20 m long complete						
	as per standard design.	1				2.00	each

Technical Sanctions is here by
 Accorded for Rs. 10/1/23
 in words Pa. 100 mm diameter and 1.20 m long complete
 as per standard design.
 Vide estt. No. /TS/
 Date 10/1/23

Executive Engr.
 Municipality Corporation Durg.

Asstt. Engr.
 Municipality Corporation Durg.

Sub
 Municipality

MUNICIPAL CORPORATION DURG							
DETAILS ESTIMATE FOR CONSTRUCTION OF TOILET IN MUNICIPAL CORPORATION OF							
BUILDING SOR PWD CG 1.1.2015							
S.N	ITEMS	NO	L	B	D	UNITS	CONT AREA
1	Surface dressing of the ground including removing vegetation and making up undulations and inequalities not exceeding 15 cms upto 1.5 m lift and lead upto 50m (at least 5 m away from the dressed area).						
			16	3		Sqm	48
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.						
			10	2.5	0.3		7.5
	In all types of soils. Column pits	4	1.2	1.2	1.5	Cum	8.64
	Ground beam 3x2	6	3.03	0.3	0.3		1.6362
		2	1.6	0.3	0.3		0.288
	Septic tank		4.45	3.5	2		31.15
						Cum	49.214
3	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc.complete.						
			10	2.5	0.6		15
	In all types of soils. Column pits	4	1.2	1.2	1.5	Cum	8.64
	Ground beam 3x2	6	3.03	0.3	0.1		0.5454
		2	1.6	0.3	0.1		0.096
	Septic tank		4.45	3.5	2		31.15
						Cum	55.431
	Deduct septic tank		3.45	2.5	1.9	(-)	16.388
	Deduct Columns	4	0.2	0.2	1.5	(-)	0.24
						Cum	38.804

4	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form						
	1:03:06	4	1.2	1.2	0.15	Cum	0.864
	Below ground beam 3x2	6	3.03	0.3	0.1		0.0909
		2	1.6	0.3	0.1		0.048
	Septic tank	1	4.45	3.5	0.2		3.115
	Floor area		6.25	1.9	0.1		1.1875
	Drain		9.5	0.45	0.1		0.4275
	Step	2	2.5	0.6	0.1		0.3
	Front	1	11.1	0.6	0.1		0.666
	Side	2	2.5	2.5	0.1		1.25
	Front		15	1.5	0.1		2.25
						Cum	10.199
5	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, bin-ding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete.						
	Jali 10 mm 8x8x2	128	1		128	RM	
	Septic tank						
	3.25+2.15+2.15=7.55	16	7.55		120.8		
	2.30+2.15+2.15=6.60	22	6.6		145.2		
	Weight 0.62 kg/Rm			0.62	394	Kg	244.28
	Column 12 mm 4x4	16	5		80		
	0.20+2.1+0.05+0.75+0.70+0.45+0.45	16	5.5		88		
	Ground beams long wall 3x4	12	10		120		
	Ground beams short wall 4x4	16	2.5		40		
	Partition beam 5x4	20	1.4		28		
	Slab beam 2x4	8	10		80		
	4x4	16	2.5		40		
					396	R.m	
	weight 12 mm 0.89 kg / RM			0.89		kg	352.44
	Column Sirkup 8 mm 8x29	232					
	Ground beams long wall	296					
	Slab beam	296					

		824	0.75		618	RM	
	Weight 0.395 kg/Rm			0.395		KG	244.11
	Slab 10 mm	88	3.05		268.4	Rm	
	Weight 0.62 kg/Rm			0.62		Kg	166.41
	Distribution	21	10.9		228.9	Rm	
	Weight 0.39 kg/Rm			0.39		kg	89.271
	Buffal wall 2x22	44	1.45		63.8	Rm	
	Weight 0.62 kg/Rm			0.62		kg	39.556
	Distribution 2x10	20	2.5		50	Rm	
	Weight 0.395 kg/Rm			0.395		kg	19.75
					Total	kg	1155.8
6	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.						
	1:1½:3 (1 cement : 1½ coarse sand:3)						
	Column jali	4	1.2	1.2	0.15	Cum	0.864
	Footings	8	0.293				2.344
	Column	4	0.2	0.2	3.6		0.576
	Column	4	0.2	0.2	2.4		0.384
	Septic tank	1	4.45	3.5	0.2		3.115
		2	3.45	0.2	1.9		2.622
		2	2.5	0.2	1.9		1.9
	septic tank Slab		3.45	2.5	0.15		1.2938
	Ground beams	3	6.46	0.2	0.2		0.7752
		2	1.9	0.2	0.2		0.152
	partitions beam	5	1.4	0.2	0.2		0.28
	Slab beam	2	10	0.2	0.1		0.4
		4	2.1	0.2	0.1		0.168
	toilet portion slab		11	3.05	0.1		3.355
	Bufflel wall	2	2.1	0.2	1.45		1.218
						Cum	19.447
7	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:						
	Column jali 4x4	16	1.2		0.15	Sqm	2.88
	Column 4x4	16	0.2		3.6		11.52
	Column 4x4	16	0.2		2.4		7.68
	Septic tank	2	3.45		1.9		13.11
		2	3.05		1.9		11.59
		2	2.5		1.9		9.5

		2	2.1		1.9		7.98
					Total	Sqm	64.26
	septic tank Slab		3.05	2.1		Sqm	6.405
	Toilet slab		11	2.65			29.15
						Sqm	35.555
	Ground beams 3x2	6	6.46		0.2	Sqm	7.752
	2x2	4	1.9		0.2		1.52
	partitions beam 5x2	10	1.4		0.2		2.8
	Slab beam 2x2	4	10		0.1		4
		4	2.1		0.1		0.84
		3	3.05		0.2		1.83
						Sqm	18.742
	slab Side	2	11		0.1	Sqm	2.2
		2	2.65		0.1		0.53
	Septic tank side	2	3.45		0.15		1.035
		2	2.5		0.15		0.75
						Sqm	4.515
8	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirm-ing to IS:12894-2002 of class des-ignation 4.0 in foundation and plinth in:						
	Below ground beam 2x3	6	3.03	0.2	0.2	Cum	0.7272
		2	1.9	0.2	0.2		0.152
		3	1	0.2	0.2		0.12
					Total	Cum	0.9992
	Up to plinth	6	3.03	0.2	0.4	Cum	1.4544
		2	1.9	0.2	0.4		0.304
		3	1	0.2	0.4		0.24
					Total	Cum	1.9984
	Super structure						
		3	3.03	0.2	2.4	Cum	4.3632
		3	3.03	0.2	1.8		3.2724
	Center wall	5	0.47	0.2	2.4		1.128
		3	1.9	0.2	2.4		2.736
					Total	Cum	11.5
	Ventilation	7	0.45	0.2	0.3	(Cum-)	0.189
	Main door	2	0.9	0.2	2.4	(Cum-)	0.864
					Total	Cum	10.447

9	Half brick thick brick masonry with fly-ash lime bricks....up to super structure .1:4						
	Toilet	4	1		2.2	Sqm	8.8
	Urinal	3	0.75		1.2		2.7
						Sqm	11.5
10	Providing and fixing M.S frames of doors ,windows, ventilation and priming coat of approv-ed steel primer.						
	Ventilation	7	5			kg	35
11	Providing and fixing factory made pvc door frame of size 50×47 mmspecification and directions of engineer- in- charge						
		5	5.15			metre	25.75
12	Providing and fixing factory made pvc door shutters of specified thick- ness made ofthickness 0.1 mm and stainless steel screws.						
	30 mm thick door shutters with styles and rails of size 60×30 mm						
	0.75×2.10	5		0.75	2.1	Sqm	7.875
13	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of following applications including surface preparation..... For the purpose of measurement the entire treated surface will be measured.						
			11	3.05		Sqm	33.55
14	Providing and making 15 mm thick cement plaster on the rough side of single or half brick wall of mix:						

	In Cement Mortar 1:5 (1 cement : 5 fine sand)						
	Super structure Outer plaster	1	10		3.25	Sqm	32.5
		1	10		2.2		22
		2	1.6		3.25		10.4
						Sqm	64.9
15	Providing and making 6 mm thick cement plaster of mix 1:3						
			11	2.65		Sqm	29.15
16	Providing and making 12 mm thick cement plaster of mix 1:5						
			9.6		2.4	Sqm	23.04
		2	2.65		2.4		12.72
	4x2	8	1.2		2.2		21.12
	3x2	6	0.85		1.3		6.63
		2	2.1		2.4		10.08
		5	0.35		2.4		4.2
		5	0.25		2.4		3
		5	0.2		2.4		2.4
		1	10		1.8		18
						Sqm	101.19
17	Providing and laying ceramic glazed floor tiles conforming to IS 15622 of approved size20 mm thick cement mortar 1:4 including pointing the joints with white cement mixed with matching pigment etc.comp						
	Size 300x300 mm	2	4.9	2.1		Sqm	20.58
	Platform		1.2	1.2			1.44
	Deduct						22.02
	Jents urinal	4	0.75	0.1		(-)	0.3
	Toilet wall	5	1	0.1		(-)	0.5
		5	0.35	0.2		(-)	0.35
		1	0.9	0.1		(-)	0.09
						Sqm	20.78

18	Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make colors, shades and size on wall..... white cement mixed with matching pigment comp.						
	2x2	4	4.9		0.6	Sqm	11.76
		2	1.4		0.6		1.68
	Jents urinal	6	0.75		1.2		5.4
		3	0.75	0.1			0.93
			1.55		0.6		0.93
		2	0.9		0.6		1.08
	Ladies side	4	0.35		0.6		0.84
	Toilet	5	3.75		0.6		11.25
	Plate form	4	1.2		1.2		5.76
						Sqm	39.63
19	Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :						
	White wall hung type	2				Each	2
20	Providing and fixing white vitreous china urinal basin with waste fitting as per IS : 2556, and other couplings in C.P. brass complete:						
	Flat back half stall urinal of size 460x380x250mm						
		4				Each	4
21	18.14 Providing and fixing white vitreous china urinal basin as per IS : 2556 complete:						
	Flat back half stall urinal of size 460x380x250mm	2				Each	3

22	Providing and fixing vitreous china wash basin with C.I.brackets,32 mm C.P. brass waste of stand-ard pattern, including painting of brackets, cutting and making good the walls wherever required :						
	White Size 550x450 mm	2				Each	2
23	Providing and fixing G.I. Union in G.I pipe (New work) including cutting and threading the pipe and making long screws etc. complete:						
	25 mm nominal bore	4				Each	4
24	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :						
	25 mm nominal bore	4				Each	4
25	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc.and testing of joints complete:						
	25 mm dia. nominal		21			Metre	21
26	Providing and fixing 15 mm nominal bore C.P. brass fittings of app-roved make and conforming to IS:8931 including C.P. brass extension ifrequired:						
	Long body bib cock (500 grams)	7				Each	7
27	Providing and fixing 15 mm nominal bore C.P. brass fittings of app-roved make and conforming to IS:8931 including C.P. brass extension ifrequired:						
	Two way bib cock (800 grams)	12				Each	12

28	Providing and fixing brass ferrule with C.I. mouth cover including boring and tapping the main :						
	25 mm nominal bore	4				Each	4
29	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI 12701 marked with cover and suitable locking..... pipes but without fittings and base support for tank						
		2	500			Litre	1000
30	18. Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wallNerolac, J.K. wall putty) surface smooth and even.						
	Plaster Area outer					Sqm	64.9
	Plaster Area inner						101.19
	Plaster Area ceiling						29.15
							195.24
	Deduct wall tiles area					(-)	33.87
						Sqm	161.37
31	Applying one coat of cement primer on wall surface ..comp.						
	Plaster Area					Sqm	161.37
32	Wall painting with acrylic luxury emulsion (plastic) paint or required shade to give an even shade						
	Inner plaster					Sqm	101.19
	Ceiling						29.15
						Sqm	130.34
	Deduct wall tiles					(-)	33.87
						Sqm	96.47
33	Painting exterior surface with Acrylic smooth exterior paint of required shade.....washing of surface etc complete with						

[illegible]

Vide estt. No. /TS/

246 Date 2/2/23

Executive engineer
Municipal corporation durg


Astt engr
Municipal corporation, durg

Sub
Municipal

MUNICIPAL CORPORATION DURG (C.G.)

DETAILED ESTIMATE FOR CONSTRUCTION OF SHED AT W.N. 29 NEAR SHITLA MANI

(BUILDING SOR W.E.F. 1.1.2015)

SN.	ITEMS	NO.	L	B	D/H	QTY	RATE	UNIT
1	Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area).							
		1	40	6		240		SQM
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. 1.1.1 In all types of soils.	12	0.6	0.6	0.6	2.59		cum
3	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	12	0.6	0.6	0.1	0.43		
						0.43		CUM
4	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work.							
	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	12	0.6	0.6	0.1	0.43		CUM
5	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in all works upto floor five level excluding cost of form work.							
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	12	0.6	0.6	0.4	1.73		CUM
6	Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer. 9.3.1 Electric resistance or induction butt welded tubes Grade-250							
		12	4	5.7	274.08			
		15	35	4.5	2367.75			
		20	10	3.6	720.00			
		20	12	2.9	696.00			

		66	1.1	2.9	210.54			
					4268.37			kg
7	Supply and fixing of precoated galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.							
		1	25	6		150		
	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work.							
	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	1	25	6		150		
	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in all works upto floor five level excluding cost of form work.							
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	1	25	6		150		
	Technical Sanctions is here Accorded for Rs. 15 Lakh in words Rs. 15000000							
	Vide estt. No.TS./ 226.....Date..16/11/23..						say	15


Executive Engineer
Municipal corporation
Durg


Asstt. Engineer
Municipal corporation
Durg


Sub Engineer
Municipal corpo
Durg

MUNICIPAL CORPORATION DURG (C.G.)

DETAILED ESTIMATE FOR CONSRTRUCTION OF MUNCH AT WARD NO.10 SHANKAR NAGAR

NIT

S.No.	Particulars	Qty	Unit
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soils.	6.91	CUM
2	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	0.58	CUM
3	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: Thermo-Mechanically treated bars FE 415	1100.00	KG
4	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	6.4	
		9.0	
		15.4	SQM
5	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	0.64	
		1.44	
		1.53	
		3.61	CUM
6	Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat of neat cement. 50 mm thick	12.3	SQM
7	Providing and laying vitrified floor tiles with soluble salt printing, of size 600x600mm with water absorption less than 0.5% and conforming to IS 15622 of approved make, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.	12.3	SQM

8	Brick work with modular well burnt (open bhatta) clay bricks of crushing strength not less than 20 kg/sqcm and water absorption not more than 25% in foundation and plinth in:	0.84	CUM
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 EXECUTIVE ENGINEER
 MUNICIPAL CORPORATION
 DURG

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NIT

The Estimate is Prepared as per S.O.R. of P.W.D. With Effect From 01-01-2015

S.No.	Particulars	Qty	Unit
1	Demolishing cement concrete including disposal of material within 50 metre lead.		
		2.31	
		2.31	Cum
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.		
		0.36	
		0.29	
		5.40	
		96.00	
		102.05	Cum
3	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).		
		0.18	
		0.14	
	CHABUTARA	0.72	
	CULVERT	0.90	
		16.00	
		17.94	Cum
4	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).		
	3*2	2.70	
		28.00	
		0.99	
		31.69	Cum
5	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:		
		390.00	
		390.00	KG
6	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.		
		9.00	
		160.00	
		169.00	SQM
7	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).		
	Square footing	1.62	
		1.62	Cum

Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete.

16.50

16.50

M

9

Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.

5.04

5.04

Cum

10

Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:In Cement Mortar 1:5 (1 cement : 5 fine sand)

6.00

4.80

10.80

SQM

11

Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:Cement Mortar 1:6 (1 cement : 6 coarse sand)

CHABUTARA

0.96

0.77

1.73

Cum

12

Providing and laying vitrified floor tiles with soluble salt printing, of size 600x600mm with water absorption less than 0.5% and conforming to IS : 15622 of approved make, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.

7.20

STEP

1.13

8.33

SQM

13

15 mm thick Table rubbed polished Granite stone slab in risers and treads of steps skirting dado and pillars laid on 12mm (Average) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry including rubbing and polishing etc. complete (single stone is to be used for risers and treads of steps and width of stone for skirting and dado shall be equal to the height of skirting & dado and length of 1.0 m).

WALL

6.00

4.80

STEP

1.88

12.68

SQM

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Municipal Corporation Durg

MUNICIPAL CORPORATION DURG (C.G.)

DETAILED ESTIMATE FOR CONSTRUCTION OF FLOORING AT SAMUDAYIK BHAWAN AT NIT

	Particulars	Qty	Unit
1	Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete. Size above 200x300mm	24.00	SQM
2	Providing and laying vitrified floor tiles with soluble salt printing, of size 600x600mm with water absorption less than 0.5% and conforming to IS : 15622 of approved make, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.	36.00	SQM
3	15 mm thick Table rubbed polished Granite stone slab in risers and treads of steps skirting dado and pillars laid on 12mm (Average) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry including rubbing and polishing etc. complete (single stone is to be used for risers and treads of steps and width of stone for skirting and dado shall be equal to the height of skirting & dado and length of 1.0 m). Granite stone black	6.00	
4	Brick work with modular well burnt (open bhatta) clay bricks of crushing strength not less than 20 kg/sqcm and water absorption not more than 25% in foundation and plinth in: Cement Mortar 1:6 (1 Cement : 6 Coarse Sand	2.0	CUM
5	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: In Cement Mortar 1:5 (1 cement : 5 fine sand)	20.4	SQM
6	Providing and fixing steel door/ window with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of angle/ flat iron of suitable size, 3.00 mm M.S. gusset plates at junctions and corners, all necessary fittings complete including applying a priming coat of red oxide zinc chromate primer.	50.0	KG
7	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: Thermo-Mechanically treated bars FE 415	50.0	KG
8	White washing with lime to give an even shade On new work (Three or more coats	2.0	SQM

	Painting on new work (two or more coats) to give an even shade with: Satin synthetic enamel paint	2.0	SQM
10	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	1.0	SQM
11	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	0.125	CUM


 EXECUTIVE ENGINEER
 MUNICIPAL CORPORATION
 DURG