

DETAILED ESTIMATE

DI:08/10/2022

PROPOSED DETAILED ESTIMATE OF COMMERCIAL BUILDING FOR RASHIM GOLD FARMER
PRODUCER COMPANY DIGRAS, TO: DIGRAS DIST : YAVATMAL..

DT: 08/10/2022

SUMMARY OF ESTIMATE

1	Cost of Construction Ground Floor	5434000.0
2	ROYLTY CHARGES	41,311.00
3	TESTING CHARGES	36,700.00

Total estimated cost of construction work

5512011.0
SAY 5512000/-

In Words (Rs.FIFTY FIVE LAKHS TWELVE THOUSAND Y ONLY)


Engineers Sign

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DETAILED ESTIMATE

ABSTRACT SHEET NO 01

Sr,no	Discription of Item	Quantity	Unit	Rate	Amount
1	Excavation for foundation in earth, soils of all types,sand, gravel and soft murum, including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering (including shoring and strutting) complete. (Lift from 1.5m to 3.0m)[Spec.No. :Bd.A.1Page No. 259]	44.69	M ³	326.45	14590.28
2	ProvidingandlayingCastinsitu /ReadyMixcementconcreteinM-10oftrap/granite/quartzite/gneissmetalforfoundationandbeddinginclu dingbailingoutwater,Steelcentering,formwork,laying/pumping,compact ing,rougheningthemifspecialfinishistobeprovided,finishingifrequiredand curingcomplete,withfullyautomaticmicroprocessorbasedPLCwithSCADAenabledreversibleDrumTypemixer/concreteBatchmixplant(Panmixer)etc.complete.Withfineaggregate(Crushedsand VSI Grade)	4.11	M ³	7199.10	29614.22
	[Spec.No. :Bd.E.1 Page No. 287/IS.456 (2000)]				
3	Providingandlayinginsitu/ReadyMixcementconcreteM-20oftrap/granite/quartzite/gneissmetalforR.C.C.workinfoundationslikeraft,stripfoundations,grillageandfootingsofR.C.C.columnsandsteelstanchionsetc.includingbailingoutwater,Steelcenteringformwork,laying/pumpingcoverblocks,compactionandcuringrougheningthesurfaceifspecial finishistobeprovided(Excludingreinforcementandstructuralsteel)etc.com plete,withfullyautomaticmicroprocessorbasedPLCwithSCADAenabled reversibleDrumTypemixer/concreteBatchmixplant(Panmixer)etc.compl ete. With fine aggregate (Crushed sand VSI Grade)	67.50	M ³	8173.40	551704.50
	[Spec.No. :Bd.F.3 Page No. 298/IS:456(2000)]				
4	ProvidingandlayingCastinsitu/ReadyMixcementconcreteM-20oftrap/granite/quartzite/gneissmetalforR.C.C.columnsasperdetailed designsanddrawingorasdirectedincludingsteelcentering,formwork,cover blocks,laying/pumping,compactionfinishingtheformedsurfaceswithcem entmortar 1:3ofsufficientminimumthicknessgiveasmoothandevensurf aceorrougheningifspecialfinishistobeprovidedandcuringetc.complete.(E xcludingreinforcementandstructuralsteel).withfullyautomaticmicroproc essorbasedPLCwithSCADAenabledreversibleDrumTypemixer/concrete Batchmixplant(Panmixer)etc.complete.Withfineaggregate(Crushedsand VSI Grade)	7.61	M ³	13783.00	104945.83
	Bd.F.5 Page One Number 300 and B.7,Page.One Number 38				
5	ProvidingandlayingCastinsitu/ReadyMixcementconcreteM-20oftrap/granite/quartzite/gneissmetalforR.C.C.beamsandlintelsasper detaileddesignsanddrawingsorasdirectedincludingsteelcentering,formw ork,coverblocks,laying/pumping,compactionandrougheningthesurfacei fspecialfinishistobeprovidedandcuringetc.complete.(Excludingreinforce mentandstructuralsteel). withfullyautomaticmicroprocessorbasedPLCwi thSCADAenabledreversibleDrumTypemixer/concreteBatchmixplant(Pa nmixer)etc.complete.Withfineaggregate (Crushed sand VSI Grade)	11.07	M ³	16435.15	181952.48
	[Spec.No. :Bd.F.6 Page No. 300/IS:456(2000)]				
6	ProvidingandlayingCastinsitu/ReadyMixcementconcreteM-20oftrap/granite/quartzite/gneissmetalforR.C.C.chajjaasperdetailedde signanddrawingsincludingsteelcentering,formwork,coverblocks,laying/ pumping,compactingandrougheningthesurfaceifspecialfinishistobepro videdandcuringcomplete.(Excludingreinforcementandstructuralsteel).wi thfullyautomaticmicroprocessorbasedPLCwithSCADAenabledreversible DrumTypemixer/concreteBatchmixplant(Panmixer)etc.complete. With fine aggregate (Crushed sand VSI Grade)	2.38	M ³	18235.20	43326.84
	[Spec.No. :Bd.F.9 Page No. 303/IS:456(2000)]				

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7	Providing and laying Cast in situ / Ready Mix cement concrete M-20 of trap / granite / quartzite / gneiss metal for R.C.C. slabs and landings as per detailed design and drawings including steel centering, formwork, cover blocks, laying, pumping, compaction, finishing the formed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface to roughen it as per all instructions to be provided and curing etc. complete. (Excluding reinforcement and structural steel) with fully automatic microprocessor based PLC with SCADA Actuated reversible Drum Type mixer / concrete Batching plant (Pan mixer) etc. complete With fine aggregate (Crushed sand VSI Grade) [Spec. No. Bd.F.8 Page No. 302/IS 456(2000)]	30.65	M ³	15080.45	462226.35
8	Providing and filling in the foundation with sand of approved quality including watering, compacting etc. complete [Spec. No. Bd.A.13 Page No. 264]	174.69	M ³	2245.55	392275.53
9	Providing and filling in the foundation with sand of approved quality including watering, compacting complete. [Spec. No. Bd.A.13 Page No. 264]	0.00	M ³	2160.00	0.00
10	Providing and fixing in position TMT / FE-500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams, columns, canopies, staircases, newels, chajjas, lintel spandrels, copings, fins, arches etc. as per detailed design, drawings and schedules including cutting, bending, hooking, lashing, bunding with wires or tack welding and supporting as required complete Bd.F.17, Page One Number 306	14.46	M ³	93419.60	1350945.51
11	Providing second class Burnt Brick masonry with conventional / 1 B type bricks in cement mortar 1:6 in plinth or backing or composite masonry including bedding out water manually, striking joints, raking out joints and watering complete [Spec. No. Bd.G.3 Page No. 314]	111.24	M ²	9645.15	1072917.23
12	Providing and laying in brick masonry with conventional / 1 B type bricks in cement mortar 1:4 in plinth or backing or composite masonry including bedding out water manually, striking joints, raking out joints and watering etc. complete [Spec. No. Bd.G.7 Page No. 316]	47.24	M ²	1209.35	67131.63
13	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:5 without wire mesh to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete [Spec. No. Bd.L.2 Page No. 368]	138.84	M ²	298.15	41395.15
14	Providing and finishing plaster in brick masonry with approved or certified sand in all positions including plastering of 15mm thick cement mortar at 1:4 in water proofing compound 1 kg per sq. meter being applied for same for not less than 2 days and keeping the surface wet for same duration to receive the sand and treatment to obtain the required mortar 1:4 finishing the surface by taking wet grime and curing for fourteen days scaffolding etc. complete [Spec. No. Bd.L.7 Page No. 369]	496.50	M ²	664.30	329824.95
15	Providing acru finish to plastered surfaces for ceiling including scaffolding and curing etc. complete. [Spec. No. Bd.L.10 Page No.]	138.84	M ²	67.55	9378.64
16	Providing and fixing Country cut teak wood double or single leaf second class fully panelled door shutter with 35mm thick stile and rail with 25mm thick panels with openable lanthorn as per detailed drawings. Excluding the door frame 60mm x 100mm stainless steel fixtures and fastening and finishing the wood work with oil painting 3 coats. (Excluding the door frame) [Spec. No. Bd.T.7 Page No. 481]	7.55	M ²	9574.00	72319.12

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17	Providing and fixing steel window of various size as per detailed drawing with outer dip zinc coating, without ventilators including fabricating/ glazing with plain / obscured glass panels of approved type and quality, iron oxidised fixture and fastenings, finishing with oil painting two coats complete (with guard bars 12 mm square at 10 cm c/c.)	19.44	M ²	5067.00	98502.48
[Spec. No. :Bd.T.53 Page No. 509]					
18	a) Supplying and fixing in position Aluminum four tracks sliding window with outer frame made from section of over all size 122mm x 45mm, bottom section with drain section track weighing 1.83 kilogram per metre and top and side section of size 122x31.75mm weighing 1.15 kilogram per One Running Metre with outer section made of 18mm x 40mm size having average weight of 0.6 Kilogram per One Running Metre for as required size with change in proportion as weight, with 6mm float glass in three equal panels and aluminium coated steel window sash on one (2/3) of opening panel fixed with new neoprene gasket, shutter to be provided.	19.44	M ²	6738.70	131000.33
Spec. No. : As directed by Engineer incharge.					
19	Providing and fixing mild steel grill railing 20 Kilogram / sq.m with teak wood hand rail of size 75mm x 60mm, and sill of 75mm x 25mm and newel post for staircase including fabricating, fixtures, erecting, painting the grill work with one coat of anti-corrosive paint and two coats of oil painting with approved colour and polish in give the hand rail and the newel post with french polish. [Spec.No. :Bd.U.2 Page No. 537]	0.00	M ²	3298.65	0.00
20	Providing and laying machine cut machine polished machine cut Kota stones labra 20 to 25mm thick for treads and risers of steps and staircases, with round edging for the treads on a bed of 1:4 cement mortar including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete.	194.99	M ²	1653.30	322368.70
Bd. M. 22 B / Page No. 390					
21	Providing and laying in situ cement concrete M20 with tremix treatment for 100mm thick new floor with groove cutting of 4mm wide and 20mm deep where necessary refilling with bitumen etc. complete.	19.13	M ²	846.60	16198.84
As directed by Engineer incharge					
22	Providing and applying one coat of flat oil paint of approved colour and shade to internal / external plastered surfaces including scaffolding if necessary, cleaning and preparing the surface (excluding primer coat) etc. complete.	138.84	M ²	55.10	7650.08
[Spec.No. :Bd.O.7 Page No. 406]					
23	Providing and applying two coats of waterproof cement paint of approved manufacture and of approved colour to the plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete.	138.84	M ²	82.15	11405.71
[Spec.No. :Bd.O.8 Page No. 406]					
Total Civil Construction Cost of Work :				Rs	5301674.39
24	Add 2% Electrification Charges				106033.4877
25	Add 0.5% Contingencies Charges				27038.53937
Total Civil Construction Cost of Work :				Rs	5434746.41
				Say Rs	5434000

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