GOVERNMENT OF ANDHRA PRADESH FOREST DEPARTMENT

Rc.no.841/2019/TO, Dated:02.03.2023 O/o Chief Conservator of Forests & Field Director, Project Tiger Circle, Srisailam.

Sri Y.Srinivasa Reddy, IFS., Chief Conservator of Forests& Field Director (FAC)

Sub: FD - Forest (C) Act, 1980 - M/s Reliance Jio Infocomm Ltd., Visakapatnam - Laying of Optical Fiber Cable along the road within in the right of way (RoW) passing through forest under WL Markapur Division over an extent of 0.15 Ha. for providing 4G Communications in the State of Andhra Pradesh - Request for administrative approval of CA Scheme - approval accorded- Reg.

Ref: 1.Prl.CCF,AP,Guntur, Rc.no.EFS02-15032/1/2022-FCA(ii),dt.25.11.2022. 2. DD,PT, Markapur Rc.no.539/2022/DM, dated: 22.02.2023.

Personal attention of the Deputy Director, Project Tiger, Markapur is invited to the reference 2nd cited.

It is informed that, the Deputy Director, Project Tiger, Markapur has submitted the Scheme proposals for Afforestation and maintenance of Compensatory Afforestation area of extent 1.00 ha. identified in degraded forest land in Compt.no.175 of ENB-X RF, Komarolu Beat, Y.Palem Section of Y.Palem Range of Project Tiger, Markapur. The administrative approval for the Compensatory Afforestation Scheme is hereby accorded for **Rs.5.60 Lakhs** (Rupees Five lakhs sixty thousands) on the responsibility of the Deputy Director, Project Tiger, Markapur.

The Deputy Director, Project Tiger, Markapur is requested to take further necessary action as per the instructions issued by the Prl. Chief Conservator of Forests and Head of Forest Force, Andhra Pradesh, Guntur and GOI guidelines issued from time to time and upload the CA scheme details in PARIVESH web portal and report compliance.

Chief Conservator of Forests & Field Director (FAC)
Project Tiger Circle, Srisailam.

To The Deputy Director, Project Tiger, Markapur.

GOVERNENT OF ANDHRA PRADESH FOREST DEPARTMENT

From Sri. Vignesh Appavu G, I.F.S., Deputy Director, Project Tiger, Markapur. To
The Chief Conservator of Forests &
Field Director, Project Tiger Circle,
Nandyala.

Rc.No.539/2022/DM, Dated:22.02.2023.

Sir,

Sub:- APFD – PT, Markapur – F (C) Act, 1980 – M/s Reliance Jio Infocomm Ltd. Visakhapatnam – Laying of Optical Fiber Cable along the road within the right of way (RoW) passing through forest under WL Markapur Division over an extent of 0.15 Ha. for providing 4G Communications in the State of Andhra Pradesh– DGPS survey permission accorded submission of Maps and CD's –Request for administrative approval of CA Scheme – Report Submission of – Regarding.

Ref:- 1) PCCF (HoFF), A.P, Guntur Rc.no.10611/2017/FCA-1, Dated:11.01.2018 & 15.03.2018.

- 2) CCF & FDPT, Srisailam Rc.No.157/2018/TO, Dated:21.02.2018.
- 3) DFO(WL) Markapur Rc.No.67/2018/DM Dated:24.05.2018.
- 4) DFO(WL) Markapur Rc.No.67/2018/DM Dated:09.07.2018.
- 5) CCF & FDPT, Srisailam Rc.No.157/2018/TO, Dated:29.09.2018.
- 6) PCCF (HoFF), A.P, Guntur Rc.no. 10611/2017/FCA-1 Dt. 01.11.2018
- PCCF (WL) & CWLW, AP, Guntur Rc.No.EFS02-21024/7/2018 Wildlife SEC PCCF Dated:09.11.2018.
- 8) PCCF(HoFF), AP Guntur Rc.no.10611/2017/FCA, Dt.12.11.2018
- PCCF (HoFF), A.P, Guntur Rc.no.EFS02 15026/9/2019/ FCA SEC/PCCF/FCA-1, Dated:21.03.2019.
- CF & FDPT, Srisailam Rc.No.841/2019/TO, Dated:21.08.2019 & 23.07.2020.
- PCCF & HoFF, A.P, Guntur Rc.no.EFS02-15032/1/2022 FCA(ii) Dt. 25.11.2022.

** ** ** **

Adverting to the references cited it submitted that the Principal Chief Conservator of Forests (Head of Forest Force), AP, Guntur and Chief Conservator of Forests / Field Director, Project Tiger Circle, Srisaiam have accorded permission vide reference 1st & 2nd cited, for conducting DGPS Survey regarding subject Project, "Laying of Optical Fiber Cable along the road within the right of way (RoW) passing through forest under WL Markapur Division over an extent of 0.15 Ha" by M/s Reliance Jio Info comm Ltd., Visakhapatnam and issued instructions to submit survey maps, RAW Data for verification and authentication.

2) Later, necessary instructions were issued to the Forest Range Officer, V P South and User Agency to conduct DGPS Survey and submit Maps etc., vide ref. 3rd cited and the FRO, has submitted DGPS Maps along with CDs containing Field Data and the same were submitted to the Chief Conservator of Forests / Field Director,

Project Tiger Circle, Srisaiam vide ref. 4th cited and in turn the Chief Conservator of Forests has submitted the same to the Principal Chief Conservator of Forests for verification and authentication vide ref. 5th cited and as per instructions of the Principal Chief Conservator of Forests vide ref. 6th to 8th cited, the user Agency has paid an amount of Rs. 3,000/- (Rupees three thousands only) towards user charges for verification and authentication of maps

- 3) The Principal Chief Conservator of Forests has informed vide ref. 9th cited that, the user agency have been uploaded the part –I proposals in Parivesh portal and also instructed the User Agency to submit 6 sets of proposals hard copies to the Divisional Forest Officer, (WL) Markapur processing the same under Forest (Clearance) Act, 1980 and in view of above instructions, the user Agency, has submitted 6 sets hard copies of proposals to this office and on verification of the proposals, it is noticed that, total 75 Nos trees to be felled in the way of laying out OFC and the user agency has not submitted Compensatory Aforestation land details of aforesaid project.
- 4) In view of the instructions and as per hand book of guidelines chapter 2. Compensatory Afforestation, point 2.6, Provision for plantation of specified number of trees by way of CA in certain cases: the Forest Range Officer, Y.Palem was directed to submit the degraded forest land 01.00 ha approximately with details of land
- (i) In the following cases, cost of plantation (including ten years maintenance) of ten times the number of trees likely to be felled or specified number of trees as may be specified in the order for diversion of forest land (subject to a minimum no. of 100 plants), shall be levied from the user agency towards compensatory afforestation.

(b) Diversion of forest land up to one hectare,

5) The Forest Range Officer, Y.Palem has identified the degraded forest land an extent of 01.00 ha in Compt No.175, ENB –X RF, Komarolu Beat, Y.Palem Section, Y.Palem Range of PT Markpur and the undersigned has issued permission for conducting DGPS survey in the said land for Compensatory Afforestation land and to submit DGPS survey maps along with RAW Data taking further action and the DGPS

survey maps along with RAW Data was received in this office / Dt. 21.02.2023 and the undersigned has verified the DGPS survey maps randomly and found to be correct. and also prepared the CA Scheme as per current FSR 2022-23 and found to be correct and sanctioned technical approval with financial outlay is Rs.5.60 Lakhs and Scheme is enclosed herewith for kind perusal. The details are as follows.

SI.No	Name of the work	Funds to be deposited by the User Agency (Rs. in lakhs)
1	Afforestation & Maintenance of 1.00 ha degraded forest land CA Scheme.	5.60
	Total Rs:	5.60

In view of the circumstances as explained above, it is requested that the CA Scheme may please be approved and also administrative sanction please be issued for the CA Scheme at the earliest for taking further course of action in the matter

This is submitted for favour of information and necessary action.

Encl: As above

Yours faithfully Sd/- Vignesh Appavu.G, Deputy Director, Project Tiger, Markapur

Copy submitted to the Principal Chief Conservator of Forests & Head of Forest Force, AP, Mangalagiri, Guntur District for favour of information.

Copy submitted to the Chief Conservator of Forests & Field Director, Project Tiger Circle, Nandyal for favour of information.

Copy to the Managing Director, AP State Fiber limited, Vijayawada for information.

Copy to the Forest Range Officers, Dornal & Korraprolu for information.

Encl: As above

Sd/- Vignesh Appavu.G, Deputy Director, Project Tiger, Markapur

Superintendent

//T.C.B.O//

Statement showing the scheme proposals for Compensatory Afforestation over 1.00 Ha proposed CA Land in Degrated Forest Area in compartment No:175, ENB - X RF, Komorolu Beat, Y.Palem Section of Y.Palem Range of Project Tiger, Markapur in Favour of Jio Digital Fiber private limited

(Rs.in Lakhs)

	TO THE REAL PROPERTY.	Un	it cost	203	23-24	202	24-25	202	5-26	20	26-27	202	7-28	202	8-29	20	29-30	203	30-31	20.	31-32	203	32-33	203	3-34	20.	34-35	4 4
Sl. No	Name of the work	Per Ha./ No.	Rate	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Amount
1	Raising of Nursery & Maintenance of Nursery	1	0.4202	1	0.420																							0.420
2	Advance operations	1	0.6050	1.0	0.605																							0.605
3	Raising of plantations	1	0.7139			1.0	0.713																					0.713
4	1st year maintenance	1	0.3634					1.0	0.363																		200	0.363
5	2nd year maintenance	1	0.3309	7/ 5						1.0	0.33																	0.330
6	3rd year maintenance	1	0.3124									1.0	0.312		E LIVE													0.312
7	4th year maintenance	1	0.0887			100			The state					1.0	0.088	May.												0.088
8	5th year maintenance	1	0.0974										i in the		7-5 %	1.0	0.097	7										0.097
9	6th year maintenance	1	0.1072					446										1.0	0.107									0.107
10	7th year maintenance	1	0.1179		1 10/10															1	0.117							0.117
11	8th year maintenance	1	0.1297																			1	0.129					0.129
12	9th year maintenance	1	0.1427																		7-1-			1	0.142			0.142
13	10th year maintenance	1	0.1569		148												1									1	0.156	0.156
14	SMC (10%)	1	0.1056	5	0.528																		1					0.528
15	Administration Charges (20%)	1	0.8200	Ls	0.200	Ls	0.200	Ls	0.210	Ls	0.210													1				0.820
16	Over head charges and	Ls	0.6730									Ls	0.213	Ls	0.230	Ls	0.230											0.673
	Tota	l		11-16	1.753		0.913		0.573	200	0.540		0.525		0.318		0.327		0.107		0.117		0.129	a mod	0.142		0.156	5.600

Sd/-Vignesh Appavu.G, Deputy Director, Project Tiger, Markapur

//T.C.B.O//



Statement showing the scheme proposals for Compensatory Afforestation over 1.00 Ha Proposed CA land in Degrated Forest Area in Compartment No:175 of Y.Palem Range of Project Tiger, Markapur in Favour of Jio Digital Fiber Private Limited

SI. No.	Name of the work	Quantity in Ha	Unit	Per	Rate (in Rupees)	Amount (in Lakhs)	Remarks
1	Raising of Nursery & Maintenance of Nursery	1	На	1	42020.00	0.420	2023-24
2	Advance operations	1	На	1	60500.06	0.605	2023-24
3	Raising of plantations	1	На	1	71390.00	0.713	2024-25
4	1st year maintenance	1	На	1	36336.00	0.363	2025-26
5	2nd year maintenance	1	На	1	33089.00	0.330	2026-27
6	3rd year maintenance	1	На	1	31243.00	0.312	2027-28
7	4th year maintenance	1	На	1	8869.00	0.088	2028-29
8	5th year maintenance	1	На	1	9744.00	0.097	2029-30
9	6th year maintenance	1	На	1	10718.00	0.107	2030-31
10	7th year maintenance	1	На	1	11790.00	0.117	2031-32
11	8th year maintenance	1	На	1	12969.00	0.129	2032-33
12	9th year maintenance	1	На	1	14266.00	0.142	2033-34
13	10th year maintenance	1	На	1	15693.00	0.156	2034-35
14	SMC Works (10%) - Boundary Pillars	5	No.s	1	10560.00	0.528	2023-24
15	Adminstative Charges (20%)	Ls		Ls	-	0.820	<u> -</u>
16	over head & Miscellaneous charges.					0.673	
	Grand Total:					5.600	

Sd/- Vignesh Appavu.G, Deputy Director, Project Tiger, Markapur

//T.C.B.O//

N. Venerata (i) S Superintendent 22/02/2013

Estimate for Raising of Primary Beds 4 Nos (1 Ha) Nursery unit cost for Proposed CA land in Degrated Forest Area in Compartment No:175 of Y.Palem Range of Project Tiger, Markapur in Favour of Jio Digital Fiber Private Limited

SI. No	Qty	Description of work with detailed specifications	FSR Item No.	Rate	Per	Amount
		Raising of Primary Beds of size 1x1x0.3m for raising of Eucalyptus, Bamboo and other Misc. species				
1	4 Beds	Preparation of New site - by clearing misceleneous unvaiable Jungle growth, uprootal of stumps and removal of surface stones, pebbles etc.	01-02-001	7.11	Per Bed	28
2	4 Beds	Digging soil to a depth of 30 cm (as per CSSR 2011-12)	01-02-003	52.74	Per Bed	211
3	4 Beds	Cost of sandy soil 50% of dugged quantity and transportation taken from private lands, with 5 kms lead loading and unloading charges by mannual means (Sandy soil and FYM. in 5:1 proprtion) 0.125 cum per bed (as per CSSR 2011-12).	01-02-004	43.25	Per Bed	173
4	0.10 Cum	Cost and transport of Farm yard manure (Sandy soil and FYM. in 5:1 proprtion) 0.025 cum per bed	01-02-005 01-03-005	1314.39	Cum	131
5	4 Beds	Preparation of soil mixture of red earth, sand and farm yard manure in 5:1 proportion and formation of bed by refilling the excavated portion of the bed and filling of bed.	01-02-006	14.74	Per Bed	59
6	4 Beds	Sowing of seed and covering the bed with hay including cost and conveyance to a thickness of 2.5 cm.	01-02-008	16.75	Per Bed	67
7	4 Beds	Watering the primary nursery beds with rose water cans for a maximum period of 2 months. Note:Watering the primary beds beyond 2 months especially in the case of North-East monsoon areas prior approval of the CF concerned is required. (3.3 beds x 2 Months = 6.6 beds)	01-02-009	18.79	Bed / Month	75
8	4	Weeding the primary beds maximum of 2 times Note: Weeding the primary beds more than 2 times prior approval of the CF concerned is requried. (3.3 beds x 2 months = 6.6 beds)	01-02-010	2.81	Bed / Weed	11
9	Ls	Contingencies for cost of crow bars, preparation of Nursery Board, supply of drinking water etc.,	Actual	-	Ls	15
				TOTA	AL:->>	770

The estimate prepared based on the FSR 2022-23. Hence the estimate may kindly be sanctioned at an early date.

	Total cost for 2022-23	770.00
1	Add 10% for 2023-24 to 2021-22 cost	847.00
2	Add 10% for 2024-25 to 2022-23 cost	931.70
3	Add 10% for 2025-26 to 2023-24 cost	1025.00
4	Add 10% for 2026-27 to 2024-25 cost	1128.00
5	Add 10% for 2027-28 to 2025-26 cost	1241.00
6	Add 10% for 2028-29 to 2026-27 cost	1365.00
7	Add 10% for 2029-30 to 2027-28 cost	1502.00
8	Add 10% for 2030-31 to 2028-29 cost	1652.00
9	Add 10% for 2031-32 to 2029-30 cost	1817.00
10	Add 10% for 2032-33 to 2030-31 cost	1999.00
11	Add 10% for 2033-34 to 2032-33 cost	2199.00
12	Add 10% for 2034-35 to 2033-34 cost	2419.00

Sd/-Vignesh Appavu.G, Deputy Director, Project Tiger, Marakpur

//T.C.B.O//

N. Verreateteis Superintendent

Estimate for Raising and Maintenance of 1611 Nos per Ha Proposed CA land in Degrated Forest Area in Compartment No:175 of Y.Palem Range of Project Tiger, Markapur in Favour of Jio Digital Fiber Private Limited. (As per FSR 2022-23)

SI. No	Qty	Description of work with detailed specifications	FSR Item No.	Rate	Per	Amount
1	2 Beds	Clearing the site new site	01-05-001	71.86	Per Bed	143.72
2	1611 Nos	Cost and transport of ingradients for Potting mixture Red soil and clayey soil in 2:1 ratio (for 15 cm x 30 cm (6"x12") 2.15 cm)	01-05-005	745.08	1000 Nos	1200.32
3	1611 Nos	Preparation of seed Potting mixture Red soil and clayey soil in 2:1 by powedering of various ingradiants, sieving and mixing them in the prescribed proportion. Opening the bags and filling with potting mixture and gently pressing the same with finger tips and arranging in beds	01-05-011	1804.07	1000 Nos	2906.36
4	17 Kg	Cost of Polythene bags 1833 × 20% = 1933 Nos/115 Nos per KG = 16.8 or 17 Kgs (Rate adopted as per tender rate during 2020-21)	01-05-013	136.88	Kg	2326.96
5	1611 Nos	Pricking out the seedling from primary beds and transplanting in bags	01-05-016	191.07	1000 Nos	307.81
6	1.611 Beds	Watering the plants twice a day (2 Months) (1333 x 2 m)	01-05-020	441.46	Per Bed /Month	1422.38
7	1.611 Beds	Shifting and grading and rearranging in beds (1333 x 4)	01-05-023	312.12	Bed / Shift	2011.30
8	1.611 Beds	Cost of chemicals, Insectcides, Pesticides etc.,	01-02-025	Actuals	-	500.00
9	Ls	Cost of cow dung slurry	01-05-033	Actuals		500.00
10	1611 Nos	Application of cow dung slurry at the rate of 100 ml to 250 ml per plant depending upon the size of the plant monthly twice maximum of 3 times (Once in raising and two times in maintenance) Note: Watering should not be done 12 hours before and after application of cow dung slurry (1333 x 3 times)	01-05-034	282.78	1000 Nos / time	455.56
11	1.611 Beds	Watering the plants for 10m × 1m size bed (2600-4" × 7" bags; 1700-5"x9" bags; 1100-6"x12" bags and 800-8"x12" bags) (1333 × 10 M)	01-05-028	441.46	Bed / month	7111.92
12	25 RMT	Brush wood fencing the nursery site	01-05-039	38.35	RMT	958.75
13	25 RMT	Maintenance of brush wood fencing the nusery site	01-05-040	12.80	RMT	320.00
14	1611 Nos	Cost of tar coated bamboo stakes of 2.00 mt length and 2.50 cm breadth	01-05-042	10.02	Each	16142.22
15	1611 Nos	Fixing of support stakes to the seedlings	01-05-043	570.16	1000 Nos	918.53
16	4 Beds	Raising of Primary beds	-	-	-	847.00
17	Ls	Contingency	Actual	-	Ls	127.16
				TOT	AL:->>	38200.00

The estimate prepared based on the FSR 2022-23. Hence the estimate may kindly be sanctioned at an early date.

	Total cost for 2022-23	38200.00
1	Add 10% for 2023-24	42020.00
2	Add 10% for 2024-25	46222.00
3	Add 10% for 2025-26	50844.20
4	Add 10% for 2026-27	55929.00
5	Add 10% for 2027-28	61522.00
6	Add 10% for 2028-29	67674.00
7	Add 10% for 2029-30	74441.00
8	Add 10% for 2030-31	81885.00
9	Add 10% for 2031-32	90074.00
10	Add 10% for 2032-33	99081.00
11	Add 10% for 2033-34	108989.00
12	Add 10% for 2034-35	119888.00

Sd/-Vignesh Appavu.G, Deputy Director, Project Tiger, Markapur



Estimate for Advance Operation for 1.00 Ha. Proposed CA land in Degrated Forest Area in Compartment No:175 of Y.Palem Range of Project Tiger, Markapur in Favour of Jio Digital Fiber Private Limited

Sl. No.	Qty	Details of work	FSR item No.	Rate	Per	Amount
		SMM Method (1 Ha.)				
1	1	Survey with GPS (Only staff to carry out. One mandy is allowed for assistance) (RSSR 2013-14)	02-05-001	580	Plantat ion	580.00
2	1 Ha.	Preparation of site for planting by clearing thorny unsaleable, unusable jungle growth, creepers, bushes etc., spreading the cut material allover the site and burning the same medium jungle growth	02-05-005	11198.92	На.	11198.92
3	1 Ha.	Uprootal of stumps to a depth of 45 cm (excluding unsutiable patches) with heavy machinery fitted with 0.90 cum and above capacity bucket, filling the pits caused by uprootal and leveling. medium jungle growth	02-05-010	28283.72	На.	28283.72
4	1 Ha.	Collection and removal of uprooted stumps of all sizes, other debris etc., to outside the plantation site. medium jungle growth	02-05-014	14628.41	На.	14628.41
5	Ls	Contingency 10%	Actual	-	-	309.00
		Total:				55000.05

The Estimate prepared based on the FSR 2022-23 and actual rates. Hence the Estimate may kindly be sanctioned at an early date.

	Total cost for 2022-23	55000.05	
1	Add 10% for 2023-24	60500.06	
2	Add 10% for 2024-25	66550.06	
3	Add 10% for 2025-26	73205.00	
4	Add 10% for 2026-27	80526.00	
5	Add 10% for 2027-28	88579.00	
6	Add 10% for 2028-29	97437.00	
7	Add 10% for 2029-30	107181.00	
8	Add 10% for 2030-31	117899.00	
9	Add 10% for 2031-32	129689.00	
10	Add 10% for 2032-33	142658.00	
11	Add 10% for 2033-34	156924.00	
12	Add 10% for 2034-35	172616.00	

Sd/-Vignesh Appavu.G, Deputy Director, Project Tiger, Markapur

//T.C.B.O//

N. Ventrata Ci ()
Superintendent 22/02/2023

Estimate for Raising of 1.00 Ha. Proposed CA land in Degrated Forest Area in Compartment No:175 of Y.Palem Range of Project Tiger, Markapur in Favour of Jio Digital Fiber Private Limited

SI. No	Qty	Description of work with detailed specifications	FSR Item No.	Rate	Per	Amount
		Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough (Untilled areas)				
2	1 Ha.	Hard /Gravelly Soils	02-05-020	7263.38	Ha.	7263.38
3	1 Ha.	Removing congestion of root suckers and other uprooted material hindering the effective ploughing (For non-tilled areas only)	02-05-024	1245.09	На.	1245.09
4	50 RMT	Formation of sector lines/ inspection paths/ fire lines of a width of 3m by giving surface treatment (sector to be in conformity with slope direction). All stumps to be cut to ground level. Applicable for plantations other than Semi Mechanicle Plantaion.	02-05-006	7.89	RMT	394.50
5	1111 Nos	Alignment and staking including laying base line for Misc speacies with espacement 3mX3m (1111 Nos)	02-06-003	108.16	100 Nos	1201.66
6	1111 Nos	Cost of 0.45M Stake preparation and transportation to site.	02-06-005		100 Nos	782.37
7	1111 Nos	Digging of 45 cm. cube pits in ploughed areas	02-06-027	11.89	Each	13209.79
8	1111 No.s	Transport of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading upto 5 Km lead 15X30cm (6"X12") bag plants and beyond 5 Kms lead upto 5 Kms = 185.09 extra 25 Kms = 162.25 347.34	02-06-009 02-06-014	347.34	100 No.s	3858.95
10	1111 No.s	Internal transport of bag plants/root trainers to planting points on head loads. 15X30cm (6"X12") bag plants	02-06-019	118.73	100 No.s	1319.09
11	1111 No.s	Planting bag plants 45cmX45cmX45 cm pits	02-06-034	565.54	100 No.s	6283.15
12	55 Kgs	Cost of Chemical fertilisers (50 grm SSP for basal dressing, 20 grm DAP after planting for 30 cm3 & 45 cm3 pits).	02-06-031	30.00	Actal per Kg	1650.00
13	1111 No.s	Application of fertilizer after planting by making 3 holes of 10 cmts depth with crow bar . 10 cmts away from plant amd putting fertilizers and closing	02-06-032	50.79	100 No.s	564.28
		Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no casuality replacement for further maintenance)				
14	222 Nos	Digging of 45 cm. cube pits in ploughed areas	02-06-036	5.9450	Each	1319.79

SI. No	Qty	Description of work with detailed specifications	FSR Item No.	Rate	Per	Amount
15	222 Nos	Transport of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading upto 5 Km lead 15X30cm (6"X12") bag plants and beyond 5 Kms lead upto 5 Kms = 185.09 extra 25 Kms = 162.25 347.34	02-06-009 02-06-014	347.34	100 No.s	771.09
16	222 No.s	Internal transport of bag plants/root trainers to planting points on head loads. 15X30cm (6"X12") bag plants	02-06-019	118.73	100 No.s	263.58
17	222 No.s	Planting bag plants 45cmX45cmX45 cm pits	02-06-034	565.54	100 No.s	1255.50
18	1111 No.s	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil atround the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard soils.	02-06-041	848.32	100 No.s	9424.84
19	1 Ha.	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravellary soils	02-06-045	4841.54	На.	4841.54
20	1 Ha.	Coppice cutting (Low rainfall zone <800 mm)	02-06-047	1261.06	На.	1261.06
21	1111 Nos	Pruning of lower foliage / branches of NTFP species like Kanuga, Neem etc., upto 1/3rd height	02-06-050	160.56	100 Nos	1783.82
22	Ls	Contingencies like board, drinking of water, sharpening of tools, Journals etc.	Actual	-	10% of total cost	306.53
***		TOTAL:-				59000.00

The estimate prepared based on the FSR 2022-23 and actual rates. Hence the estimate may kindly be sanctioned at an early date.

	Total cost for 2022-23	59000.00
1	Add 10% for 2023-24	64900.00
2	Add 10% for 2024-25	71390.00
3	Add 10% for 2025-26	78529.00
4	Add 10% for 2026-27	86382.00
5	Add 10% for 2027-28	95020.00
6	Add 10% for 2028-29	104522.00
7	Add 10% for 2029-30	114974.00
8	Add 10% for 2030-31	126471.00
9	Add 10% for 2031-32	139118.00
10	Add 10% for 2032-33	153030.00
11	Add 10% for 2033-34	168333.00
12	Add 10% for 2034-35	185166.00

Sd/-Vignesh Appavu.G, Deputy Director, Project Tiger, Markapur

//T.C.B.O//

N. Venceatatei 22/02/2023 Superintendent

Estimate for 1st year Maintenance of 1.00 Ha. Proposed CA land in Degrated Forest Area in Compartment No:175 of Y.Palem Range of Project Tiger, Markapur in Favour of Jio Digital Fiber Private Limited

SI. No	Quntity	Item of work	FSR item No.	Rate in Rs.	Per	Amount
		Replacement of Casualties @ 25% in 1st year 100% of rate during maintenance years. Planting, Transportation and internal transportation as prescribed above.				
		Digging of pits in ploughed areas		3/2/5/5		
1	278 No.s	Digging of 45 cm. cube pits	02-06-027	11.89	Each	3305.42
2	278 No.s	Transport of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading upto 5 Km lead 15X30cm (6"X12") bag plants and beyond 5 Kms lead upto 5 Kms = 185.09 extra 25 Kms = 162.25 347.34	02-06-009 02-06-014	347.34	100 No.s	965.61
3	278 No.s	Internal transport of bag plants/root trainers to planting points on head loads. 15X30cm (6"X12") bag plants	02-06-019	118.73	100 No.s	330.07
4	10 Kgs	Cost of chemical fertilisers (50 grm SSP for basal dressing, 20 grm DAP for replacement of casualties)	02-07-002	30.00	As per actuals	300.00
5	278 Nos	Application of fertilizer after planting by making 3 holes of 10 cmts depth with crow bar . 10 cmts away from plant amd putting fertilizers and closing	02-07-003	50.79	100 No.s	141.20
6	278 No.s	Planting bag plants 45cmX45cmX45 cm pits	02-06-034	565.54	100 No.s	1572.20
7	1 Ha.	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in tilled areas in hard soils	02-07-006	4841.54	На.	4841.54
8	1111 Nos	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil atround the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard soils.	02-07-011	848.32	100 Nos	9424.84
9	400 RMT	Creation of Fire lines 3 mts wide	02-07-014	7.89	RMT	3156.00
10	1	Coppice cutting (Low rainfall zone <800 mm)	02-06-047	1261.06	На.	1261.06
11	1111 Nos	Pruning of lower foliage / branches of NTEP species like	02-06-050	160.56	100 Nos	1783.82
12	Ls	Contingency	02-07-018		Ha.	218.25
		Total>>				27300.00

The Estimate prepared based on the FSR Rates 2022-23. Hence the estimate may kindly be sanctioned at an early date.

	Total cost for 2022-23	27300.00	
1	Add 10% for 2023-24	30030.00	
2	Add 10% for 2024-25	33033.00	
3	Add 10% for 2025-26	36336.00	
4	Add 10% for 2026-27	39970.00	
5	Add 10% for 2027-28	43967.00	
6	Add 10% for 2028-29	48364.00	
7	Add 10% for 2029-30	53200.00	
8	Add 10% for 2030-31	58520.00	
9	Add 10% for 2031-32	64372.00	
10	Add 10% for 2032-33	70809.00	
11	Add 10% for 2033-34	77890.00	
12	Add 10% for 2034-35	85679.00	

Sd/-Vignesh Appavu.G, Deputy Director, Project Tiger, Markapur

//T.C.B.O//

N. Moullatatei 8 Superintendent 2/02/2013

Estimate for 2nd year Maintenance of 1.00 Ha. Proposed CA land in Degrated Forest Area in Compartment No:175 of Y.Palem Range of Project Tiger, Markapur in Favour of Jio Digital Fiber Private Limited

Sl. No	Quntity	Item of work	FSR item No.	Rate in Rs.	Per	Amount
1	40 Kgs	Cost of chemical fertilisers (50 grm SSP for basal dressing, 20 grm DAP for replacement of casualties)	02-08-001	30.00	As per actuals	1200.00
2	1111 Nos	Application of fertilizer after planting by making 3 holes of 10 cmts depth with crow bar . 10 cmts away from plant amd putting fertilizers and closing	The state of the s	50.79	100 No.s	564.28
3	1 Ha.	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in tilled areas in hard soils	02-08-008	4841.54	На.	4841.54
4	1111 Nos	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil atround the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in ordinary soils.	02-08-004	848.32	100 Nos	9424.84
5	400 RMT	Creation of Fire lines 3 mts wide	02-08-012	7.89	RMT	3156.00
6	1	Coppice cutting (Low rainfall zone <800 mm)	02-08-010	1261.06	На.	1261.06
7	1111 Nos	Pruning of lower foliage / branches of NTFP species like Kanuga, Neem etc., upto 1/3rd height	02-08-015	160.56	100 Nos	1783.82
8	Ls	Contingency	Actuals	-	Ha.	368.47
		Total>>				22600.00

The Estimate prepared based on the FSR Rates 2022-23. Hence the estimate may kindly be sanctioned at an early date.

	Total cost for 2022-23	22600.00
1	Add 10% for 2023-24	24860.00
2	Add 10% for 2024-25	27346.00
3	Add 10% for 2025-26	30080.60
4	Add 10% for 2026-27	33089.00
5	Add 10% for 2027-28	36397.90
6	Add 10% for 2028-29	40037.69
7	Add 10% for 2029-30	44041.46
8	Add 10% for 2030-31	48445.60
9	Add 10% for 2031-32	53290.17
10	Add 10% for 2032-33	58619.18
11	Add 10% for 2033-34	64481.10
12	Add 10% for 2034-35	70929.21

Sd/-Vignesh Appavu.G, Deputy Director, Project Tiger, Markapur

//T.C.B.O//

N. Hourata ceils Superintendent 22/02/2023

Estimate for 3rd year Maintenance of 1.00 Ha. Proposed CA land in Degrated Forest Area in Compartment No:175 of Y.Palem Range of Project Tiger, Markapur in Favour of Jio Digital Fiber Private Limited

Sl. No	Quntity	Item of work	FSR item No.	Rate in Rs.	Per	Amount
1	1 Ha.	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in tilled areas in hard soils		4841.54	На.	4841.54
2	1111 Nos	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil atround the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard soils.	02-09-002	848.32	100 Nos	9424.84
3	400 RMT	Creation of Fire lines 3 mts wide	02-09-008	7.89	RMT	3156.00
4	1111 Nos	Pruning of lower foliage / branches of NTFP species like Kanuga, Neem etc., upto 1/3rd height	02-09-010	160.56	100 Nos	1783.82
5	Ls	Contingency	Actuals	120012	На.	193.80
		Total>>				19400.00

The Estimate prepared based on the FSR Rates 2022-23. Hence the estimate may kindly be sanctioned at an early date.

		The following rate of the second	
	Total cost for 2022-23	19400.00	
1	Add 10% for 2023-24	21340.00	
2	Add 10% for 2024-25	23474.00	
3	Add 10% for 2025-26	25821.00	
4	Add 10% for 2026-27	28403.00	
5	Add 10% for 2027-28	31243.00	
6	Add 10% for 2028-29	34367.00	
7	Add 10% for 2029-30	37804.00	
8	Add 10% for 2030-31	41584.00	
9	Add 10% for 2031-32	45742.00	
10	Add 10% for 2032-33	50316.00	
11	Add 10% for 2033-34	55348.00	
12	Add 10% for 2034-35	60883.00	

Sd/-Vignesh Appavu.G, Deputy Director, Project Tiger, Markapur

//T.C.B.O//

N. Venue ata cells Superintendent 202 2023

Estimate for 4th year Maintenance of 1.00 Ha. Proposed CA land in Degrated Forest Area in Compartment No:175 of Y.Palem Range of Project Tiger, Markapur in Favour of Jio Digital Fiber Private Limited

SI. No	Quntity	Item of work	FSR item No.	Rate in Rs.	Per	Amount
1	400 RMT	Creation of Fire lines 3 mts wide	02-10-001	7.89	RMT	3156.00
2	1111 Nos	Pruning of lower foliage / branches of NTFP species like Kanuga, Neem etc., upto 1/3rd height	02-10-003	160.56	100 Nos	1783.82
3	Ls	Contingency	Actuals		На.	67.18
		Total>>				5007.00

The Estimate prepared based on the FSR Rates 2022-23. Hence the estimate may kindly be sanctioned at an early date.

	Total cost for 2022-23	5007.00	
1	Add 10% for 2023-24	5507.70	
2	Add 10% for 2024-25	6058.00	
3	Add 10% for 2025-26	6664.00	
4	Add 10% for 2026-27	7330.00	
5	Add 10% for 2027-28	8063.00	
6	Add 10% for 2028-29	8869.00	
7	Add 10% for 2029-30	9756.00	
8	Add 10% for 2030-31	10732.00	
9	Add 10% for 2031-32	11805.00	
10	Add 10% for 2032-33	12986.00	
11	Add 10% for 2033-34	14285.00	
12	Add 10% for 2034-35	15714.00	

Sd/-Vignesh Appavu.G, Deputy Director, Project Tiger, Markapur

//T.C.B.O//

N. Menteatoliill Superintendent many

Estimate for 5th year Maintenance of 1.00 Ha. Proposed CA land in Degrated Forest Area in Compartment No:175 of Y.Palem Range of Project Tiger, Markapur in Favour of Jio Digital Fiber Private Limited

SI. No	Quntity	Item of work	FSR item No.	Rate in Rs.	Per	Amount
1	400 RMT	Creation of Fire lines 3 mts wide	02-11-001	7.89	RMT	3156.00
2		Pruning of lower foliage / branches of NTFP species like Kanuga, Neem etc., upto 1/3rd height	02-11-002	160.56	100 Nos	1783.82
3	Ls	Contingency	Actuals	-	На.	60.18
		Total>>				5000.00

The Estimate prepared based on the FSR Rates 2022-23. Hence the estimate may kindly be sanctioned at an early date.

1 Add 10% for 2023-24	5500.00
2 Add 10% for 2024-25	3050.00
3 Add 10% for 2025-26	6655.00
4 Add 10% for 2026-27	7321.00
5 Add 10% for 2027-28	3053.00
6 Add 10% for 2028-29	8858.00
7 Add 10% for 2029-30	9744.00
8 Add 10% for 2030-31 10	0718.00
9 Add 10% for 2031-32	1790.00
10 Add 10% for 2032-33	2969.00
11 Add 10% for 2033-34 14	4266.00
12 Add 10% for 2034-35	5693.00

Sd/-Vignesh Appavu.G, Deputy Director, Project Tiger, Markapur

//T.C.B.O//

N. lleuceatalis

DETAILED ESTIMATE

For Construction of Boundary Pillars

Sn	Description of its	mem Nos. Measurements				Date/Day	Total			
0	Description of item	,	vos	•	L	В	D	Qty	Rate/Per	Amount
1	2		3		4	5	6	7	8	9
1	Earth work excavation for foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, labour charges such as shoring ,sheeting, planking, strutting, etc. complete for finished item of work etc as per SS - 20 B (APSS 308) including cost and conveyance of all material and labour charges, and contractors profit & over heads but excluding seignorage charges and VAT etc., complete.									
		1	x	1	1.20	1.20	0.45	0.65	MATTER S	
								0.65	273.00	177
	Plain Cement Concrete							Cum.	1cum	
	aggregate: Coarse agg concrete mixture include sand(unscreened), coal incidental, and labour concrete in layers in po- curing concrete, overhiex excluding VAT & seigning materials, for finished its	ling contract and	ost ggr ges n no char e ch	and egat such t exc ges arge	conveyance of a e, water etc. to s as mixing, layir seeding 15cm, fi & Contractors p es, sales & other	all materials like of site, all operation of and ramming nishing top surfa- rofit etc., comple taxes on all	cement, nal, ce,			
	Thaterials, for inhistica it						0.45	0.00		
		1	X	1	1.20	1.20	0.15	0.22	740.00	450
								0.22 Cum.	716.00 1 Cum.	158
3	Supply and placing of to Table 9 of IS 456 using granite metal (coarse a conveyance of all mate aggregate, water etc., to the supplementation of the supplementa	ing was garegarials land	vith a gate like e inc	20m e) fro cem cludir	m size graded n m approved qua ent, fine aggreg ng cost and con	nachine crushed arry including cost ate (sand) coarse veyance of all ma	hard et and e aterials,			
3	to Table 9 of IS 456 using granite metal (coarse a conveyance of all mater aggregate, water etc., the including all operational mixing, laying concrete charges etc., complete for finished item of workstandard suppliers appropriate the control of	ing wangered in a site of site	vith gate like income identification income	20m cem cludir ntal a including nimu the	m size graded n m approved qua- ent, fine aggreg- ng cost and con- ind labour charg- ding contractor cost of steel an im cement content department include, vibrating, curi	nachine crushed arry including costate (sand) coarse veyance of all mates such as, made profit and over he dits fabrication cent as per IS coduding pumping, ng etc. complete	hard et and e aterials, chine ead charges e from			
3	to Table 9 of IS 456 using granite metal (coarse as conveyance of all mate aggregate, water etc., to including all operational mixing, laying concrete charges etc., complete for finished item of worstandard suppliers app	ing wangered in a site of site	with a gate like incodering, well a min min ge con age	20m cem cludir ntal a including nimu the	m size graded n m approved qua- ent, fine aggreg ng cost and con- ind labour charg ding contractor cost of steel an im cement conta department include, vibrating, curi- ges for finished	nachine crushed arry including costate (sand) coarse veyance of all mates such as, made profit and over he dits fabrication cent as per IS coduding pumping, ng etc. complete item of work.	hard st and e aterials, chine ead charges e from but	0.43		
3	to Table 9 of IS 456 using granite metal (coarse a conveyance of all mater aggregate, water etc., the including all operational mixing, laying concrete charges etc., complete for finished item of workstandard suppliers appropriate the control of	ing way	vith gate like income identification income	20m c) fro cem cludir ntal a including nimu the ocrete char	m size graded n m approved qua- ent, fine aggreg- ng cost and con- ind labour charg- ding contractor cost of steel an im cement content department include, vibrating, curi	nachine crushed arry including costate (sand) coarse veyance of all mates such as, made profit and over he dits fabrication cent as per IS coduding pumping, ng etc. complete	hard et and e aterials, chine ead charges e from	0.43	9319.07	4007
	to Table 9 of IS 456 using granite metal (coarse a conveyance of all mater aggregate, water etc., to including all operational mixing, laying concrete charges etc., complete for finished item of worstandard suppliers appoint centering, shuttering, layer excluding VAT and seign	ing was greater and the second	with gate like incodering, excludering with the mind by configered x	20m includired including nimu. the necretochar.	m size graded n m approved qua ent, fine aggreg ng cost and con nd labour charg ding contractor cost of steel an im cement conte department inclue, vibrating, curi ges for finished	nachine crushed arry including costate (sand) coarse veyance of all maters such as , made profit and over he dits fabrication cent as per IS coduding pumping, ng etc. complete item of work.	hard st and e aterials, chine ead charges e from but	0.43 0.43 Cum.	9319.07 Per Cum	4007
4	to Table 9 of IS 456 using granite metal (coarse a conveyance of all materaggregate, water etc., to including all operational mixing, laying concrete charges etc., complete for finished item of worstandard suppliers appropriately centering, shuttering, laying value was a conveyance of all materaggregate, water etc., to including all operational mixing, laying concrete charges etc., complete for finished item of worstandard suppliers appropriately centering, shuttering, laying concrete charges etc., complete for finished item of worstandard suppliers appropriately centering, shuttering, laying vAT and seignored conveyance of all materagges etc., complete for finished item of worstandard suppliers appropriately centering, shuttering, laying vAT and seignored conveyance of all materaggregate, water etc., the conveyance of all materaggreg	ing was a great of the control of th	with gate like e incode con ming. xxclu in minge con iden xxclu in minge con iden iden iden iden iden iden iden ide	20mm e) fro cembluding nimulating charge of the cembluding nimulating nimulat	m size graded norm approved quarent, fine aggreging cost and control of the cost of steel and memoral cost of steel and the cost of	nachine crushed arry including costate (sand) coarse veyance of all mates such as , made profit and over he dits fabrication of the dits fabrication o	hard st and e aterials, chine ead charges e from but 0.30 onding hard st and e aterials, chine ead charges e from but	0.43		4007
	to Table 9 of IS 456 using granite metal (coarse a conveyance of all mater aggregate, water etc., to including all operational mixing, laying concrete charges etc., complete for finished item of worstandard suppliers approximate conveyance of all mater aggregate, water etc., to including all operational mixing, laying concrete charges etc., complete for finished item of worstandard suppliers approximation, laying concrete charges etc., complete for finished item of worstandard suppliers approximation, shuttering, laying contering, shuttering, laying contering shuttering shutt	ing was a great of the control of th	rith gate like incident ming. xxcluinge xxxcluinge xxxcluinge xxxcluinge xxxcluinge xxxcluinge xxxcluinge and by configer and	20mm e) fro cembluding nimulating charge of the cembluding nimulating nimulat	m size graded norm approved quality approved quality and contractor cost of steel and moment control approved quality approve	nachine crushed arry including costate (sand) coarse veyance of all mates such as , made profit and over he dits fabrication of ent as per IS coduding pumping, and etc. complete item of work. 1.20 Concrete corresponachine crushed arry including costate (sand) coarse veyance of all mates are such as , made profit and over he dits fabrication of ent as per IS coduding pumping, and etc. complete item of work. For	hard st and e aterials, chine ead charges e from but 0.30 onding hard st and e aterials, chine ead charges e from but	0.43 Cum.		4007
	to Table 9 of IS 456 using granite metal (coarse a conveyance of all materaggregate, water etc., to including all operational mixing, laying concrete charges etc., complete for finished item of worstandard suppliers appropriately centering, shuttering, laying value was a conveyance of all materaggregate, water etc., to including all operational mixing, laying concrete charges etc., complete for finished item of worstandard suppliers appropriately centering, shuttering, laying concrete charges etc., complete for finished item of worstandard suppliers appropriately centering, shuttering, laying vAT and seignored conveyance of all materagges etc., complete for finished item of worstandard suppliers appropriately centering, shuttering, laying vAT and seignored conveyance of all materaggregate, water etc., the conveyance of all materaggreg	ing was a great of the control of th	with gate like e incode con ming. xxclu in minge con iden xxclu in minge con iden iden iden iden iden iden iden ide	20mm e) fro cembluding nimulating a cembluding nimulating	m size graded norm approved quarent, fine aggreging cost and control of the cost of steel and memoral cost of steel and the cost of	nachine crushed arry including costate (sand) coarse veyance of all mates such as , made profit and over he dits fabrication of ent as per IS coduding pumping, and etc. complete item of work. 1.20 Concrete corresponachine crushed arry including costate (sand) coarse veyance of all mates are such as , made profit and over he dits fabrication of ent as per IS coduding pumping, and etc. complete item of work. For	hard st and e aterials, chine ead charges e from but 0.30 onding hard st and e aterials, chine ead charges e from but	0.43		4007

în					Mea	surements		Ohr	Rate/Per	Total
0	Description of item		Nos.		L	В	D	Qty	Katerrei	Amount
1	2		3		4	5	6	7	8	9
5	Plastering with CM (1:5 top Coat in CM(1:3),4m materials and labour ch	nm th	ick	inclu	iding cost and co	CM(1:6) 8mm nveyance of a	thick and			
	Columns four Sides	4	×	1	(0.45+0.30)/2		1.20	1.80		
	Тор	1	х	1	0.30	0.30	1 1	0.09		
	Bottom Surface	1	х	1	1.20	1.20	1 11/1/27	1.44		
	Deduct	1	x	1	0.45	0.45		0.20		
					HE STATE OF THE ST			3.53	388.18	1370
					199			Sqm	1 Sqm	-0.12
						110,41100 01 01	9			
	wire, cover blocks and cutting, bending, placin Contractors profit but a complete for finished it	all in all in all all in all all in a	posi ding	ental ition	, operational, labo , tying including so Γ and other taxes	overhead cha s on all materi	rges &			
	cutting, bending, placing Contractors profit but e	all in all in all all in all all in a	posi ding	ental ition	, operational, labo , tying including so Γ and other taxes	our charges so overhead cha s on all materi	rges &	18.50	74.07	1370
	cutting, bending, placir Contractors profit but e complete for finished it	all in ng in exicu	posiding of wo	ental ition, VA ork in	, operational, laborational, laborational, tying including so and other taxes all floors.(APSS	our charges so overhead cha s on all materi S No.126)	uch as rges & als etc.,	18.50 Kgs	74.07 1 Kg	1370
7	cutting, bending, placir Contractors profit but a complete for finished it Painting to new walls wand shade over a base brand making three cobrushing the surface b	all ir ng in exicutem of 1 with the coatsorush	posiding position was a contracted with the co	vAndrus vanden v	, operational, labor, tying including signal and other taxes all floors. (APSS 18.5) s of Snowcem pairropriate cement give an even shadurfac	our charges soverhead chas on all materials No.126)	ed brand roved	Kgs		1370
7	cutting, bending, placing Contractors profit but a complete for finished it complete for finished it painting to new walls wand shade over a base brand making three cobrushing the surface be Columns four Sides	I all ir ng in ng	posiding position of work work of at of in all ing t	vATOR III	, operational, labor, tying including signal and other taxes all floors.(APSS 18.5 sof Snowcem pairropriate cement prive an even shadurfac (0.45+0.30)/2	our charges soverhead chars on all materials No.126) Ints of approve orimer of approve after through	uch as rges & als etc., ed brand roved	Kgs		1370
7	cutting, bending, placir Contractors profit but a complete for finished it Painting to new walls wand shade over a base brand making three cobrushing the surface b	all ir ng in exicutem of 1 with the coatsorush	posiding position was a contracted with the co	vAndrus vanden v	, operational, labor, tying including signal and other taxes all floors. (APSS 18.5) s of Snowcem pairropriate cement give an even shadurfac	our charges soverhead chas on all materials No.126)	ed brand roved	Kgs		
7	cutting, bending, placir Contractors profit but a complete for finished it Painting to new walls wand shade over a base brand making three cobrushing the surface b Columns four Sides Top	I all ir ng in ng	posiding position of work work of at of in all ing t	vATOR III	, operational, labor, tying including signal and other taxes all floors.(APSS 18.5 sof Snowcem pairropriate cement prive an even shadurfac (0.45+0.30)/2	our charges soverhead chars on all materials No.126) Ints of approve orimer of approve after through	ed brand roved	1.80 0.09	1 Kg	1370 357 176

The estimate prepared based on the SSR 2022-23 rates.
Submitted to the Divisional Forest Officer (WL), Markapur for favour of kind sanction.

	Total cost for 2022-23	9600.00
1	Add 10% for 2023-24	10560.00
2	Add 10% for 2024-25	11616.00
3	Add 10% for 2025-26	12778.00
4	Add 10% for 2026-27	14056.00
5	Add 10% for 2027-28	15462.00

Sd/-Vignesh Appavu.G, Deputy Director, Project Tiger, Markapur

//T.C.B.O//

N. House ataking Superintendent 22/05/2013

LEAD STATEMENT

Name of the work: Construction of Boundary pillars

SI. No.	Name of the Material	Name of the Quarry	Units	Lead	Conveyance charges	Initial cost	Loading charges	Un Loading charges	Blasting charges	25% HBG MC Charges	Total
1	2	3	4	6	7	10		(7) S-1	11	12	14
1	Sand for mortar and plastering	Chennuru	1 Cum	130.00	1656.00	700.00			-	-	2356.00
2	Sand for concrete	Chennuru	1 Cum	130.00	1656.00	605.00			-	-	2261.00
3	40MM HBG Metal SS5	Ramatheerdam	1 Cum	89.00	1124.30	716.00	Mar.		70.00	179.00	2089.30
4	20MM HBG Chips SS5	Ramatheerdam	1 Cum	89.00	1124.30	1196.00			70.00	299.00	2689.30
5	12mm HBG Chips SS5	Ramatheerdam	1 Cum	89.00	1124.30	952.00			70.00	238.00	2384.30
6	Cement	Local	1MT	1MT	4980.00						4980.00
7	Steel Fe-415/TMT	Local	1MT		58000.00						58000.00

1 Certified that the above leads are correct to the best of my knowledge.

Sd/-Vignesh Appavu.G, Deputy Director, Project Tiger, Markapur

//T.C.B.O//

N. Ventalatie 8 Superintendent 22/02/2013

W/W	For Construction of Boundary Pillars				
			T		Amoun
5.N	Description	Unit	Quantity	Rate Rs.	Rs
1	2	3	4	5	6
1	Earth work excavation for foundations and depositing lead of 10m including all operational, incidental, labour planking, strutting, etc. complete for finished item of dewatering charges etc as per SS - 20 B (APSS 308) material and labour charges, and contractors profit & charges and GST etc., complete, (Ordinary rock)	ur charges su work includin including cos	ch as shoring seignioragest and conve	g ,sheeting, le excluding eyance of all	
	Ordinary rock (not requiring blasting)-Manual Means-Up	oto 3 m depth			
BLD-CSTN-2-4					
	Unit: 1 cum				
	Taking output: 10 cum		-		
	a) Labour				
	Mazdoor (Unskilled)	No	5.20	525.00	2730.00
					2730.00
	Poto nor four		As per CSSR	Rs	273.00
4	Rate per 1cum Plain Cement Concrete of (1:5:10) proportion nomina	I mix (cement			2,0.00
	everband charges & Contractors profit ato complet	te but exclud	ing VAT &	ng concrete, seigniorage	
	overhead charges & Contractors profit etc., completed charges, sales & other taxes on all materials, for finished No. 402).	te but exclud	ing VAT &	seigniorage	
	overhead charges & Contractors profit etc., complectors, sales & other taxes on all materials, for finished No. 402). Unit = 1cum	te but exclud	ing VAT &	seigniorage	
	overhead charges & Contractors profit etc., complection charges, sales & other taxes on all materials, for finishe No. 402). Unit = 1cum A. MATERIALS:	te but excluded item of work	ing VAT &	seigniorage	645.4
	overhead charges & Contractors profit etc., complectors charges, sales & other taxes on all materials, for finishe No. 402). Unit = 1cum A. MATERIALS: Cement	te but excluded item of work	ing VAT & for Founda	seigniorage tions (APSS 4980.00	645.4° 1880.3°
	overhead charges & Contractors profit etc., completed charges, sales & other taxes on all materials, for finishe No. 402). Unit = 1cum A. MATERIALS: Cement Coarse aggregate 40 mm	te but excluded item of work	ling VAT & c for Founda	seigniorage tions (APSS 4980.00 2089.30	1880.37
	overhead charges & Contractors profit etc., complete charges, sales & other taxes on all materials, for finishe No. 402). Unit = 1cum A. MATERIALS: Cement Coarse aggregate 40 mm Fine aggregate (Sand)	kg cum	129.60 0.90 0.45	4980.00 2089.30 2261.00	1880.37 1017.45
	overhead charges & Contractors profit etc., complection charges, sales & other taxes on all materials, for finished No. 402). Unit = 1 cum A. MATERIALS: Cement Coarse aggregate 40 mm Fine aggregate (Sand) Water for Curing	te but excluded item of work	ling VAT & c for Founda	seigniorage tions (APSS 4980.00 2089.30	1880.37
	overhead charges & Contractors profit etc., complection charges, sales & other taxes on all materials, for finished No. 402). Unit = 1 cum A. MATERIALS: Cement Coarse aggregate 40 mm Fine aggregate (Sand) Water for Curing B. Machinery	kg cum KI	129.60 0.90 0.45	4980.00 2089.30 2261.00 95.00	1880.37 1017.45 114.00
	overhead charges & Contractors profit etc., completcharges, sales & other taxes on all materials, for finished No. 402). Unit = 1 cum A. MATERIALS: Cement Coarse aggregate 40 mm Fine aggregate (Sand) Water for Curing B. Machinery Concrete Mixer 10 / 7 cft (0.2 / 0.8 cum) capacity	kg cum	129.60 0.90 0.45	4980.00 2089.30 2261.00	1880.37 1017.45
	overhead charges & Contractors profit etc., complection charges, sales & other taxes on all materials, for finished No. 402). Unit = 1 cum A. MATERIALS: Cement Coarse aggregate 40 mm Fine aggregate (Sand) Water for Curing B. Machinery	kg cum cum KI	129.60 0.90 0.45 1.20	4980.00 2089.30 2261.00 95.00	1880.37 1017.45 114.00 667.50
	overhead charges & Contractors profit etc., completcharges, sales & other taxes on all materials, for finished No. 402). Unit = 1 cum A. MATERIALS: Cement Coarse aggregate 40 mm Fine aggregate (Sand) Water for Curing B. Machinery Concrete Mixer 10 / 7 cft (0.2 / 0.8 cum) capacity	kg cum cum KI	129.60 0.90 0.45 1.20	4980.00 2089.30 2261.00 95.00 630.00	1880.37 1017.45 114.00 667.50
	overhead charges & Contractors profit etc., completcharges, sales & other taxes on all materials, for finished No. 402). Unit = 1 cum A. MATERIALS: Cement Coarse aggregate 40 mm Fine aggregate (Sand) Water for Curing B. Machinery Concrete Mixer 10 / 7 cft (0.2 / 0.8 cum) capacity C. LABOUR:	kg cum cum KI	129.60 0.90 0.45 1.20	seigniorage tions (APSS 4980.00 2089.30 2261.00 95.00 667.50 630.00 525.00	1880.37 1017.45 114.00 667.50 63.00 729.75
	overhead charges & Contractors profit etc., completcharges, sales & other taxes on all materials, for finished No. 402). Unit = 1 cum A. MATERIALS: Cement Coarse aggregate 40 mm Fine aggregate (Sand) Water for Curing B. Machinery Concrete Mixer 10 / 7 cft (0.2 / 0.8 cum) capacity C. LABOUR: Mason 1 st class Mazdoor (unskilled) Rate per 1 cum	kg cum cum Kl hour day day	129.60 0.90 0.45 1.20 1.00	seigniorage tions (APSS 4980.00 2089.30 2261.00 95.00 667.50 630.00 Fs	1880.37 1017.45 114.00 667.50
5	overhead charges & Contractors profit etc., complete charges, sales & other taxes on all materials, for finished No. 402). Unit = 1 cum A. MATERIALS: Cement Coarse aggregate 40 mm Fine aggregate (Sand) Water for Curing B. Machinery Concrete Mixer 10 / 7 cft (0.2 / 0.8 cum) capacity C. LABOUR: Mason 1st class Mazdoor (unskilled) Rate per 1 cum Supply and placing of the VRCC M20 Nominal mix Code 456 using with 20mm size graded machine crushed from approved quarry including cost and conveyant aggregate (sand) coarse aggregate, water etc., to site materials, including all operational, incidental and laborational contractor profit and excluding cost of steel and its fabrication charges for cement content as per IS code from standard suppliers pumping, centering, shuttering, laying concrepancy of the variable of	kg cum cum KI hour day day concrete corres hard granite r ce of all mate including co our charges su di over head co or finished iter s approved by ing, curing etc	129.60 0.90 0.45 1.20 1.00 0.10 1.39 ponding to 7 metal (coarse terials like of terials like of terials like of the terials like of the terials like of the terials like of the terials like of terials like o	4980.00 2089.30 2261.00 95.00 667.50 630.00 525.00 Rs Table 9 of IS aggregate) cement, fine eyance of all chine mixing, complete but ith minimum ent including out excluding out excluding	1880.37 1017.45 114.00 667.50 63.00 729.75
5 5	overhead charges & Contractors profit etc., complete charges, sales & other taxes on all materials, for finished No. 402). Unit = 1 cum A. MATERIALS: Cement Coarse aggregate 40 mm Fine aggregate (Sand) Water for Curing B. Machinery Concrete Mixer 10 / 7 cft (0.2 / 0.8 cum) capacity C. LABOUR: Mason 1 st class Mazdoor (unskilled) Rate per 1 cum Supply and placing of the VRCC M20 Nominal mix Code 456 using with 20mm size graded machine crushed from approved quarry including cost and conveyant aggregate (sand) coarse aggregate, water etc., to site materials, including all operational, incidental and label laying concrete, curing, including contractor profit and excluding cost of steel and its fabrication charges for cement content as per IS code from standard suppliers aumping centering, shuttering, laying concrete additional contractors.	kg cum cum KI hour day day day oncrete corres hard granite r ce of all ma e including co our charges su d over head co or finished iter s approved by ing, curing etc work. For Fo	129.60 0.90 0.45 1.20 1.00 0.10 1.39 ponding to 7 metal (coarse terials like of terials like of terials like of the terials like of the terials like of the terials like of the terials like of terials like o	4980.00 2089.30 2261.00 95.00 667.50 630.00 525.00 Rs Table 9 of IS aggregate) cement, fine eyance of all chine mixing, complete but ith minimum ent including out excluding out excluding	1880.37 1017.48 114.00 667.50 63.00 729.78 5117.4
	overhead charges & Contractors profit etc., complete charges, sales & other taxes on all materials, for finisher No. 402). Unit = 1 cum A. MATERIALS: Cement Coarse aggregate 40 mm Fine aggregate (Sand) Water for Curing B. Machinery Concrete Mixer 10 / 7 cft (0.2 / 0.8 cum) capacity C. LABOUR: Mason 1st class Mazdoor (unskilled) Rate per 1 cum Supply and placing of the VRCC M20 Nominal mix Co. 456 using with 20mm size graded machine crushed from approved quarry including cost and conveyant aggregate (sand) coarse aggregate, water etc., to site materials, including all operational, incidental and laborational contractor profit and excluding cost of steel and its fabrication charges for cement content as per IS code from standard suppliers pumping, centering, shuttering, laying concrete aggregate (sand) vAT and seignorage charges for finished item of PEDESTALS (Below Plinth).	kg cum cum KI hour day day day oncrete corres hard granite r ce of all ma e including co our charges su d over head co or finished iter s approved by ing, curing etc work. For Fo	129.60 0.90 0.45 1.20 1.00 0.10 1.39 ponding to 7 metal (coarse terials like of terials like of terials like of the terials like of the terials like of the terials like of the terials like of terials like o	4980.00 2089.30 2261.00 95.00 667.50 630.00 525.00 Rs Table 9 of IS aggregate) cement, fine eyance of all chine mixing, complete but ith minimum ent including out excluding out excluding	1880.37 1017.48 114.00 667.50 63.00 729.78 5117.4

Amou	Rate Rs.	Quantity	Unit	Description	S.N
1017.	2261.00	0.45	cum	Sand	<u> </u>
1743.	4980.00	350.00	Kgs	Cement (limited to 350 kg)	
				B. LABOUR:	
83.	630.00	0.133	day	1st Class Mason	
150.	565.00	0.267	day	2nd Class Mason	
1890.	525.00	3.600	day	Mazdoor (Both Men and Women)	
				B. MACHINERY	
667	667.50	1.000	hour	Concrete Mixer 10 / 7 cft (0.2 / 0.8 cum) capacity	
259	259.10	1.000	hour	40 mm dia Needle Vibrator	
114	95.00	1.20	kl	Water (including for curing)	
8346				BASIC COST per 1 cum	
	12471-14			Footings	a
8346				BASIC COST per 1 cum	
301	The state of			centering charges for Materials	
672				centering charges for labour	
9319	Rs			Rate per Cum	100
	complete but ith minimum ent including out excluding	narges etc.,on of work withe department.	over head of finished iter approved by ng, curing etc	aggregate (sand) coarse aggregate, water etc., to site materials, including all operational, incidental and laborating concrete, curing, including contractor profit and excluding cost of steel and its fabrication charges for cement content as per IS code from standard suppliers pumping, centering, shuttering, laying concrete, vibrating VAT and seignorage charges for finished item of works.	
	complete but ith minimum ent including out excluding LS, WATER	narges etc.,on of work withe department of the barren of t	over head control of finished iter approved by the control of the	materials, including all operational, incidental and laboral laying concrete, curing, including contractor profit and excluding cost of steel and its fabrication charges for cement content as per IS code from standard suppliers pumping, centering, shuttering, laying concrete, vibrati VAT and seignorage charges for finished item of work TANKS, RCC WALLS IN BUILDINGS. For Ground Floor A. MATERIALS:	
2420	complete but ith minimum ent including out excluding LS, WATER	narges etc.,on of work withe department complete but MNS, LINTE	over head control of the control of	materials, including all operational, incidental and laboral laying concrete, curing, including contractor profit and excluding cost of steel and its fabrication charges for cement content as per IS code from standard suppliers pumping, centering, shuttering, laying concrete, vibration VAT and seignorage charges for finished item of work tanks, RCC WALLS IN BUILDINGS. For Ground Floor A. MATERIALS: 20mm HBG graded metal	
2420	complete but ith minimum ent including but excluding LS, WATER 2689.30 2261.00	narges etc., on of work withe department of the bull o	over head control of finished item approved by ng, curing etc. For COLUI	materials, including all operational, incidental and laboral laying concrete, curing, including contractor profit and excluding cost of steel and its fabrication charges for cement content as per IS code from standard suppliers pumping, centering, shuttering, laying concrete, vibration VAT and seignorage charges for finished item of work tanks, RCC WALLS IN BUILDINGS. For Ground Floor A. MATERIALS: 20mm HBG graded metal Sand	
2420	complete but ith minimum ent including out excluding LS, WATER	narges etc.,on of work withe department complete but MNS, LINTE	over head control of the control of	materials, including all operational, incidental and laboral laying concrete, curing, including contractor profit and excluding cost of steel and its fabrication charges for cement content as per IS code from standard suppliers pumping, centering, shuttering, laying concrete, vibration VAT and seignorage charges for finished item of work tanks, RCC WALLS IN BUILDINGS. For Ground Floor A. MATERIALS: 20mm HBG graded metal Sand Cement (limited to 350 kg)	
2420 1017 1743	complete but ith minimum ent including but excluding LS, WATER 2689.30 2261.00 4980.00	narges etc.,on of work withe department of the d	cum cum Kgs	materials, including all operational, incidental and laboral laying concrete, curing, including contractor profit and excluding cost of steel and its fabrication charges for cement content as per IS code from standard suppliers pumping, centering, shuttering, laying concrete, vibration VAT and seignorage charges for finished item of work TANKS, RCC WALLS IN BUILDINGS. For Ground Floor A. MATERIALS: 20mm HBG graded metal Sand Cement (limited to 350 kg) B. LABOUR:	
2420 1017 1743	complete but ith minimum ent including but excluding LS, WATER 2689.30 2261.00 4980.00	narges etc., on of work withe department of the	cum cum cum cum cum cum cum cum	materials, including all operational, incidental and labol laying concrete, curing, including contractor profit and excluding cost of steel and its fabrication charges for cement content as per IS code from standard suppliers pumping, centering, shuttering, laying concrete, vibration VAT and seignorage charges for finished item of work TANKS, RCC WALLS IN BUILDINGS. For Ground Floor A. MATERIALS: 20mm HBG graded metal Sand Cement (limited to 350 kg) B. LABOUR: 1st Class Mason	
2420 1017 1743 105	complete but ith minimum ent including but excluding LS, WATER 2689.30 2261.00 4980.00 630.00 565.00	narges etc., on of work withe department of the	cum cum Kgs	materials, including all operational, incidental and laboral laying concrete, curing, including contractor profit and excluding cost of steel and its fabrication charges for cement content as per IS code from standard suppliers pumping, centering, shuttering, laying concrete, vibration VAT and seignorage charges for finished item of work TANKS, RCC WALLS IN BUILDINGS. For Ground Floor A. MATERIALS: 20mm HBG graded metal Sand Cement (limited to 350 kg) B. LABOUR:	
2420 1017 1743	complete but ith minimum ent including but excluding LS, WATER 2689.30 2261.00 4980.00	narges etc., on of work withe department of the	cum cum cum cum cum cum cum cum	materials, including all operational, incidental and labol laying concrete, curing, including contractor profit and excluding cost of steel and its fabrication charges for cement content as per IS code from standard suppliers pumping, centering, shuttering, laying concrete, vibration VAT and seignorage charges for finished item of work TANKS, RCC WALLS IN BUILDINGS. For Ground Floor A. MATERIALS: 20mm HBG graded metal Sand Cement (limited to 350 kg) B. LABOUR: 1st Class Mason	
2420 1017 1743 105	complete but ith minimum ent including but excluding LS, WATER 2689.30 2261.00 4980.00 630.00 565.00	narges etc., on of work withe department of the	cum	materials, including all operational, incidental and labol laying concrete, curing, including contractor profit and excluding cost of steel and its fabrication charges for cement content as per IS code from standard suppliers pumping, centering, shuttering, laying concrete, vibration VAT and seignorage charges for finished item of work TANKS, RCC WALLS IN BUILDINGS. For Ground Floor A. MATERIALS: 20mm HBG graded metal Sand Cement (limited to 350 kg) B. LABOUR: 1st Class Mason 2nd Class Mason	
2420 1017 1743 105	complete but ith minimum ent including but excluding LS, WATER 2689.30 2261.00 4980.00 630.00 565.00	narges etc., on of work withe department of the	cum	materials, including all operational, incidental and labol laying concrete, curing, including contractor profit and excluding cost of steel and its fabrication charges for cement content as per IS code from standard suppliers pumping, centering, shuttering, laying concrete, vibrati VAT and seignorage charges for finished item of work TANKS, RCC WALLS IN BUILDINGS. For Ground Floor A. MATERIALS: 20mm HBG graded metal Sand Cement (limited to 350 kg) B. LABOUR: 1st Class Mason 2nd Class Mason Mazdoor (Both Men and Women)	
2420 1017 1743 105 94 2467	chine mixing, complete but ith minimum ent including but excluding LS, WATER 2689.30 2261.00 4980.00 630.00 565.00 525.00	narges etc., on of work withe department of the	cum cum Kgs day day day	materials, including all operational, incidental and labol laying concrete, curing, including contractor profit and excluding cost of steel and its fabrication charges for cement content as per IS code from standard suppliers pumping, centering, shuttering, laying concrete, vibrati VAT and seignorage charges for finished item of work TANKS, RCC WALLS IN BUILDINGS. For Ground Floor A. MATERIALS: 20mm HBG graded metal Sand Cement (limited to 350 kg) B. LABOUR: 1st Class Mason 2nd Class Mason Mazdoor (Both Men and Women) B. MACHINERY	
2420 1017 1743 105 94 2467	complete but ith minimum ent including but excluding LS, WATER 2689.30 2261.00 4980.00 565.00 525.00	narges etc., on of work withe department of the	cum cum cum cum cum cum cum cum day day day hour	materials, including all operational, incidental and labol laying concrete, curing, including contractor profit and excluding cost of steel and its fabrication charges for cement content as per IS code from standard suppliers pumping, centering, shuttering, laying concrete, vibration VAT and seignorage charges for finished item of work TANKS, RCC WALLS IN BUILDINGS. For Ground Floor A. MATERIALS: 20mm HBG graded metal Sand Cement (limited to 350 kg) B. LABOUR: 1st Class Mason Mazdoor (Both Men and Women) B. MACHINERY Concrete Mixer 10 / 7 cft (0.2 / 0.8 cum) capacity	
2420 1017 1743 105 94 2467 667 259	2689.30 2261.00 4980.00 565.00 525.00 259.10	0.90 0.45 350.00 0.167 4.700	cum cum Kgs day day hour hour	materials, including all operational, incidental and labol laying concrete, curing, including contractor profit and excluding cost of steel and its fabrication charges for cement content as per IS code from standard suppliers pumping, centering, shuttering, laying concrete, vibrati VAT and seignorage charges for finished item of work TANKS, RCC WALLS IN BUILDINGS. For Ground Floor A. MATERIALS: 20mm HBG graded metal Sand Cement (limited to 350 kg) B. LABOUR: 1st Class Mason 2nd Class Mason Mazdoor (Both Men and Women) B. MACHINERY Concrete Mixer 10 / 7 cft (0.2 / 0.8 cum) capacity 40 mm dia Needle Vibrator	
2420 1017 1743 105 94 2467 667 259	2689.30 2689.30 2689.30 2689.30 2689.30 259.10 95.00	0.90 0.45 350.00 0.167 4.700	cum cum Kgs day day hour hour	materials, including all operational, incidental and labol laying concrete, curing, including contractor profit and excluding cost of steel and its fabrication charges for cement content as per IS code from standard suppliers pumping, centering, shuttering, laying concrete, vibration VAT and seignorage charges for finished item of work TANKS, RCC WALLS IN BUILDINGS. For Ground Floor A. MATERIALS: 20mm HBG graded metal Sand Cement (limited to 350 kg) B. LABOUR: 1st Class Mason 2nd Class Mason Mazdoor (Both Men and Women) B. MACHINERY Concrete Mixer 10 / 7 cft (0.2 / 0.8 cum) capacity 40 mm dia Needle Vibrator Water (including for curing)	b
2420 1017 1743 105 94 2467 259 114 8888	2689.30 2689.30 2689.30 2689.30 2689.30 259.10 95.00	0.90 0.45 350.00 0.167 4.700	cum cum Kgs day day hour hour	materials, including all operational, incidental and labol laying concrete, curing, including contractor profit and excluding cost of steel and its fabrication charges for cement content as per IS code from standard suppliers pumping, centering, shuttering, laying concrete, vibration VAT and seignorage charges for finished item of work TANKS, RCC WALLS IN BUILDINGS. For Ground Floor A. MATERIALS: 20mm HBG graded metal Sand Cement (limited to 350 kg) B. LABOUR: 1st Class Mason Mazdoor (Both Men and Women) B. MACHINERY Concrete Mixer 10 / 7 cft (0.2 / 0.8 cum) capacity 40 mm dia Needle Vibrator Water (including for curing) BASIC COST per 1 cum Columns Basic Rate	b
2420 1017 1743 105 94 2467 667 259 114 8888 8888 Page 21	2689.30 2689.30 2689.30 2689.30 2689.30 259.10 95.00 Rs 8888.49 371.00	0.90 0.45 350.00 0.167 4.700	cum cum Kgs day day hour hour	materials, including all operational, incidental and labol laying concrete, curing, including contractor profit and excluding cost of steel and its fabrication charges for cement content as per IS code from standard suppliers pumping, centering, shuttering, laying concrete, vibrati VAT and seignorage charges for finished item of work TANKS, RCC WALLS IN BUILDINGS. For Ground Floor A. MATERIALS: 20mm HBG graded metal Sand Cement (limited to 350 kg) B. LABOUR: 1st Class Mason Mazdoor (Both Men and Women) B. MACHINERY Concrete Mixer 10 / 7 cft (0.2 / 0.8 cum) capacity 40 mm dia Needle Vibrator Water (including for curing) BASIC COST per 1 cum Columns Basic Rate centering charges for Materials Datas	b
2420 1017 1743 105 94 2467 667 259 114 8888 Page 21 2415	2689.30 2689.30 2261.00 4980.00 630.00 565.00 525.00 8888.49	0.90 0.45 350.00 0.167 4.700	cum cum Kgs day day hour hour	materials, including all operational, incidental and labol laying concrete, curing, including contractor profit and excluding cost of steel and its fabrication charges for cement content as per IS code from standard suppliers pumping, centering, shuttering, laying concrete, vibration VAT and seignorage charges for finished item of work TANKS, RCC WALLS IN BUILDINGS. For Ground Floor A. MATERIALS: 20mm HBG graded metal Sand Cement (limited to 350 kg) B. LABOUR: 1st Class Mason Mazdoor (Both Men and Women) B. MACHINERY Concrete Mixer 10 / 7 cft (0.2 / 0.8 cum) capacity 40 mm dia Needle Vibrator Water (including for curing) BASIC COST per 1 cum Columns Basic Rate	b

	Description	Unit	Quantity	Rate Rs.	Amount Rs.
	Unit = 10 sqm				
	A. MATERIALS:				
	Base Coat in CM(1:5),8mm thick				
	Cement	Kg	31.7	4980.00	157.87
	Sand	Cum	0.11	2356.00	259.16
	Top Coat in CM(1:3),4mm thick				
	Cement	Kg	19.2	4980.00	95.62
					94.24
	Sand B. LABOUR:	Cum	0.04	2356.00	94.24
		da	0.00	620.00	206.00
	Mason 1 st class	day	0.63	630.00	396.90
	Mason 2 nd class	day	1.47	565.00	830.55
	Mazdoor (unskilled)	day	3.90	525.00	2047.50
	Grand Total			10 sqm	3881.84
				1 sqm	388.18
	operational, labour charges such as cutting, bending, p				
	soverhead charges & Contractors profit but exicuding VAT etc., complete for finished item of work in all floors.(APSS N	Fand othe No.126)	r taxes on a	all materials	
	etc., complete for finished item of work in all floors.(APSS to Unit = t	r and othe No.126)	r taxes on a	all materials	
	etc., complete for finished item of work in all floors.(APSS Number of the complete for finished item of work in all floors.)	No.126)		all materials	00000.00
	etc., complete for finished item of work in all floors.(APSS to Unit = t	r and othe No.126)	1.05	all materials 58000.00	60900.00
	etc., complete for finished item of work in all floors.(APSS Number of the complete for finished item of work in all floors.)	No.126)		all materials	60900.00
	etc., complete for finished item of work in all floors.(APSS Note Unit = t (a) Material HYSD bars including 5 per cent for overlaps and wastage	No.126)	1.05	58000.00	
	etc., complete for finished item of work in all floors.(APSS Note Unit = t (a) Material HYSD bars including 5 per cent for overlaps and wastage Binding wire (b) Labour for cutting, bending, shifting to site, tying and	No.126)	1.05	58000.00	420.00
	etc., complete for finished item of work in all floors.(APSS Note Unit = t (a) Material HYSD bars including 5 per cent for overlaps and wastage Binding wire (b) Labour for cutting, bending, shifting to site, tying and placing in position	t kg	1.05	58000.00 70.00	
	etc., complete for finished item of work in all floors.(APSS Note Unit = t (a) Material HYSD bars including 5 per cent for overlaps and wastage Binding wire (b) Labour for cutting, bending, shifting to site, tying and placing in position Bar bender	t kg day	1.05	58000.00 70.00 750.00 525.00 1MT	7500.00 5250.00 74070.00
8	etc., complete for finished item of work in all floors.(APSS Note Unit = t (a) Material HYSD bars including 5 per cent for overlaps and wastage Binding wire (b) Labour for cutting, bending, shifting to site, tying and placing in position Bar bender	t kg day day	1.05 6.00 10.00 10.00	58000.00 70.00 750.00 525.00 1MT 1Kg ade over a ba	7500.00 5250.00 74070.00 74.07 ase coat of
8	etc., complete for finished item of work in all floors.(APSS Notes of Showcem paints of all floors). Unit = t (a) Material HYSD bars including 5 per cent for overlaps and wastage Binding wire (b) Labour for cutting, bending, shifting to site, tying and placing in position Bar bender Mazdoor (Unskilled)	t kg day day approved be coats in a	1.05 6.00 10.00 10.00	58000.00 70.00 750.00 525.00 1MT 1Kg ade over a base even shade	7500.00 5250.00 74070.00 74.07 ase coat of after
8	etc., complete for finished item of work in all floors.(APSS Notes of Section 1) Unit = t (a) Material HYSD bars including 5 per cent for overlaps and wastage Binding wire (b) Labour for cutting, bending, shifting to site, tying and placing in position Bar bender Mazdoor (Unskilled) Painting to new walls with two coats of Snowcem paints of a appropriate cement primer of approved brand making three	t kg day day	1.05 6.00 10.00 10.00	58000.00 70.00 750.00 525.00 1MT 1Kg ade over a bate even shade 200.00	7500.00 5250.00 74070.00 74.07 ase coat of after
8	etc., complete for finished item of work in all floors.(APSS No. 1) Unit = t (a) Material HYSD bars including 5 per cent for overlaps and wastage Binding wire (b) Labour for cutting, bending, shifting to site, tying and placing in position Bar bender Mazdoor (Unskilled) Painting to new walls with two coats of Snowcem paints of a appropriate cement primer of approved brand making thre Unit = 10 sqm	t kg day day approved be coats in a	1.05 6.00 10.00 10.00	58000.00 70.00 750.00 1MT 1Kg ade over a ban even shade 200.00 705.00	7500.00 5250.00 74070.00 74.07 ase coat of after 200.00 148.05
8	etc., complete for finished item of work in all floors.(APSS No. 1) Unit = t (a) Material HYSD bars including 5 per cent for overlaps and wastage Binding wire (b) Labour for cutting, bending, shifting to site, tying and placing in position Bar bender Mazdoor (Unskilled) Painting to new walls with two coats of Snowcem paints of appropriate cement primer of approved brand making three Unit = 10 sqm Cost of Cement primer (BMT-J.02)	t kg day day approved be coats in a 1.00 0.21 0.49	1.05 6.00 10.00 10.00 rand and shall to give ar Kg day Nos	58000.00 70.00 750.00 1MT 1Kg ade over a bate even shade 200.00 705.00 565.00	7500.00 7500.00 74070.00 74.07 ase coat of after 200.00 148.05 276.85
8	etc., complete for finished item of work in all floors.(APSS Notes of the content of the conten	t kg day day approved be coats in a 1.00 0.21 0.49 3.50	1.05 6.00 10.00 10.00 rand and shall to give ar Kg day Nos Kg	58000.00 70.00 750.00 1MT 1Kg ade over a base even shade 200.00 705.00 49.00	7500.00 7500.00 74070.00 74.07 ase coat of after 200.00 148.05 276.85 Page 3
8	etc., complete for finished item of work in all floors.(APSS Number of the content of the conte	t kg day day day approved bee coats in a 1.00 0.21 0.49 3.50 0.15	1.05 6.00 10.00 10.00 rand and shall to give ar Kg day Nos Kg day	750.00 750.00 750.00 1MT 1Kg ade over a bate even shade 200.00 705.00 49.00 705.00	7500.00 7500.00 74070.00 74.07 ase coat of after 200.00 148.05 276.85 Page 3 105.75
8	etc., complete for finished item of work in all floors.(APSS Number of Material HYSD bars including 5 per cent for overlaps and wastage Binding wire (b) Labour for cutting, bending, shifting to site, tying and placing in position Bar bender Mazdoor (Unskilled) Painting to new walls with two coats of Snowcem paints of a appropriate cement primer of approved brand making thre Unit = 10 sqm Cost of Cement primer (BMT-J.02) Painter Ist class Painter II nd class Cost of water proof Cement Paint of approved quality Datas	t kg day day day 1.00 0.21 0.49 3.50 0.15 0.35	1.05 6.00 10.00 10.00 rand and shall to give ar Kg day Nos Kg day Nos	58000.00 70.00 750.00 1MT 1Kg ade over a bate even shade 200.00 705.00 49.00 705.00 565.00 49.00 565.00	7500.00 7500.00 74070.00 74.07 ase coat of after 200.00 148.05 276.85 Page 3 105.75 197.75
8	etc., complete for finished item of work in all floors.(APSS Notes of the content of the conten	t kg day day day approved bee coats in a 1.00 0.21 0.49 3.50 0.15	1.05 6.00 10.00 10.00 rand and shall to give ar Kg day Nos Kg day	750.00 750.00 750.00 1MT 1Kg ade over a bate even shade 200.00 705.00 49.00 705.00	420.00 7500.00 5250.00 74070.00 74.07 ase coat of after 200.00 148.05 276.85 Page 3 105.75 197.75 787.50
8	etc., complete for finished item of work in all floors.(APSS Number of the content of the conte	t kg day day day 1.00 0.21 0.49 3.50 0.15 0.35	1.05 6.00 10.00 10.00 rand and shall to give ar Kg day Nos Kg day Nos	58000.00 70.00 750.00 1MT 1Kg ade over a bate even shade 200.00 705.00 49.00 705.00 565.00 49.00 565.00	7500.00 7500.00 74070.00 74.07 ase coat of after 200.00 148.05 276.85 Page 3 105.75 197.75