

**Details of quantity awarded and completed by the existing contractor for Outdoor Works\_Gr 239**

<b>Item No.</b>	<b>Item Description</b>	<b>UOM</b>	<b>Quantity as per amendment in existing contract</b>	<b>Completed work till 13.11.2022</b>
<b>A</b>	<b>Items from original contract</b>			
1	Supply and installation of OFC cable joint enclosure and splicing of optical fiber cables ( 24 Fiber) and testing.	each		
1	Supply and installation of Thermo shrinkable jointing kits for Quad cables.	each	115	198.00
2	Excavation of square coil pit of size 1 Mtr X 1.5 Mtr x 1 Mtr Depth for providing coil at culverts, bridges and at LC gates.	each	2	
3	Testing of OFC cable including supply of joint protection and splicing activity.	km	396	
4	Testing of Quad cable	km	355	24.73
5	Excavation of trench 0.35m width 1.2m deep in all categories of soil such as black cotton / hard soil / murrum / soft rock mixed with boulders etc., as per cable route plan. Filling the trench with earth to the level of surrounding ground after laying cables.	km	127.618	104.09
6	Laying of Quad cables	km	98.770	85.90
7	Excavation of cable trench of 1 m depth & 0.3m wide across the road crossing, level crossing, platform & refilling	km	0	

Item No.	Item Description	UOM	Quantity as per amendment in existing contract	Completed work till 13.11.2022
8	Digging of cable trench as per drg no. RDSO/TCDO/COP-10 In rocky terrain, concreting the trench with concrete in the ratio 1:2:4 and back filling with excavated soil.	metre	3025	3025.00
9	Track crossing by Horizontal boring method as advised by the engineer at site. Confirming to IS 139 heavy class in the Bore drilled with coupler between two pipes All the joints of casing pipes should be tightened leak proof.	metre	1535	1345.00
10	Blowing of armored Optical Fiber Cable into duct by using blowing machine and associated works .Before blowing the duct integrity shall be tested If any defect found during duct integrity test , the entire length of HDPE duct is to be replaced by contractor at free of cost.	km	186.230	170.65
11	Laying and fixing of RCC Pipes(full/split set).	km	2	1.20
12	Supply of RCC Pipe [150MM OD] with collars (full/split set).	metre	2140	1200.00
13	Laying and fixing of HDPE Pipes	km	143.725	133.53
14	Fixing of GI Pipes& MS channel on girder bridge, RCC bridges, Drains, Culverts, Rocky places tunnels / deep cutting. (cost of GI pipes , MS channel not included in this item)	metre	2669	2472.00

Item No.	Item Description	UOM	Quantity as per amendment in existing contract	Completed work till 13.11.2022
15	Supply of GI pipe 100 mm dia class "B" ISI marked with accessories including bends	metre	3983	3983.37
16	Supply of Mild steel channel (100x50) for trough/GI pipe fixing on grider bridge	metre	408	408.00
17	Excavation of cable pit without damaging existing working cables	each	0	
18	Supply and Installation of DWC pipe with one snap fit coupler and 'O' ring conforming to RDSO/SPN/204/2011 Ver. 1.1or latest RDSO specification , Non-metallic, corrugated, multiwalled, normal duty, pliable, without protection against chemical attack and Non flame propagating in 6 meter length of size 120 mm outer dia& 102 mm inner dia.( Permitted tolerance in dia = +/- 2 mm). DWC can be either in full circle shape or two nos. of Semi circular shape as per site requirement.	metre	4100	4100.00

Item No.	Item Description	UOM	Quantity as per amendment in existing contract	Completed work till 13.11.2022
19	<p>Supply and installation of Emergency socket on released rails (2.8 mtr long each) for fabrication of EC sockets.and Installation of emergency socket box including socket on the rail post in the section and yard at every one km. distance as per tapping chart supplied by the survey team. This will include wiring and termination of quad cable on the socket box mounted at 1 m height, clamped with 2 nos. U-Clamps, provision of concrete foundation of rail post in such a way that the rail post is one meter above the earth level. The concreting shall be in ratio of 1:3:6 of cement, sand and stone chips. The contractor shall jointly test with BHEL engineer for its satisfactory operation. This includes painting of Emergency socket post with alternate yellow and black strip of 6" width and painting of the socket box with grey colour paint and painting of arrows on the telephone posts/ cable markers to show the nearest Emergency socket as instructed by the engineer at site. Rail posts and MS pipes of required lengths for fixing Emergency sockets will also be supplied and installed by the Contractor.</p> <p>This includes Supply &amp; installation of VF transformer (1120:470 ) 6 Quad for Block Equipment &amp; EC sockets as per specification IRS:TC 22/76</p>	each	158	24.00
20	Design and drawings for complete outdoor and interfacing with indoor signalling & telecom for complete RE modifications works for entire section.	Set	0	
<b>Annexure-II</b>				

Item No.	Item Description	UOM	Quantity as per amendment in existing contract	Completed work till 13.11.2022
1	Centering and shuttering including strutting, propping etc and removal of form for : Foundations, footings, bases of columns etc for mass concrete	Sqm	0	
2	Reinforcement for RCC work including straightening, cutting, bending, plancing in position and binding all complete Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	0	
3	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum	0	
4	Demolishing R.C.C. work by mechanical means and stockpiling at designated locations and disposal of dismantled materials up to a lead of 1 kilometre, stacking serviceable and unserviceable material separately including cutting reinforcement bars.	cum	0	
5	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	sqm	0	

Item No.	Item Description	UOM	Quantity as per amendment in existing contract	Completed work till 13.11.2022
6	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge In cement mortar	cum	0	
7	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	5	
8	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	5	
9	15mm cement plaster on the rough side of single or half brick wall of mix: 1:6 (1 cement : 6 fine sand)	Sqm	5	
10	Chipping of concrete in reinforced concrete work, cutting pockets, making openings at all levels and according to shapes, disposal of waste materials upto a lead of 2 km as directed by engineer including equipment, safety precautions, making good the broken surface etc all complete as per specification, drawing, instructions of engineer in charge but excluding cutting of reinforcement .	CUDM	10	

Item No.	Item Description	UOM	Quantity as per amendment in existing contract	Completed work till 13.11.2022
11	Extra over and above the above mentioned item for cutting of reinforcement, all sizes and types including labour, equipment, return of cut reinforcement to store etc all complete as per specification, drawings and instructions of engineer in charge. Measurement shall be on the cross sectional area of reinforcement cut.	SQCM	2	
12	Making openings in existing brick wall or partition wall including making good the broken edges/surface with cement mortar 1:6 etc. complete.	CUM	10	
13	Supply and placing in position mild steel wire fabric of square mesh 25 mm size and wire diameter of 2 mm for encasing of steel sections in concrete including cutting, bending, fixing etc. complete.	SQM	0	
14	Filling existing brick wall/ partition wall opening at all level including making good the broken edges/surface with cement mortar 1:6, painting, finishing to match with existing finishing, scaffolding/supporting at all level, removal of debris upto a lead of 1 km including loading, unloading, transportation etc. all complete.	SQM	0	

Item No.	Item Description	UOM	Quantity as per amendment in existing contract	Completed work till 13.11.2022
15	Supply, placing and positioning width wise , of second- class country made Bricks above the screened earth after laying the cable. (Placing of bricks @ eight to nine bricks to cater one meter length)	KMs	20	5.747
16	Placing and positioning width wise , of second- class country made Bricks above the screened earth after laying the cable. (Placing of bricks @ eight to nine bricks to cater one meter length)(cost of brick not included)	KMs	13.000	12.749
<b>Total (Excluding taxes)</b>				
<b>Annexure-III</b>				
1	Under Ground moulting / boring / drilling via horizontal direction for Trenchless cables laying through canals, rivers, culvers, bridges, RUB's, ROB's, road crossings, along the length of track at difficult locations (where normal trench is not possible) etc.	meter	7167	8589
<b>Total (Excluding taxes)</b>				
<b>Annexure-IV: Additional Items added in amedment no.3 dated:30.10.2021</b>				
NS-1	Supply and installation of MS flat (40x8mm) for installing GI pipe on Girder Bridge	meter	4267	2697
NS-2	Supply and installation of couplers for HDPE pipe 40 mm	No's	110	108
<b>Total (Excl. Taxes)</b>				