

CONTRACT AGREEMENT.

**Contract agreement No. DRM/** **date**

1. ARTICLE OF AGREEMENT : Made this between the President of Union of India, acting through the chief engineer, Western Railway, Mumbai -20 here in after called the 'Railway' on one part and **M/S. Prudent Control Pvt. Ltd** here in after called the 'contractor'.

2 WHEREAS as the contractors have agreed with the railway for the work- **Mumbai central- & churchgate-Improvement of fire safety works at PRS & station building JRH Building at Mumbai central and station building & GLO Building at CCG.** set forth in the schedule here to annexed upon the General Conditions of contract up to printed/advance correction slip No.....dt.....and the **Indian Railways Unified Standard Specification (Works & Materials) Volume I&II (2010 Edition) and Unified Standard Schedule Of Rates(Works & Material) 2011 of Western Railway** and the special conditions and the special specifications, if any , and in conformity with the drawings8 here into annexed AND WHEREAS the performance of the said works is an act in which the public are interested.

3. NOW THIS INDENTURE WITHNESSETH : that in consideration of the payments to be made by the Railway , the contractors shall duly performed the said works in the said schedule said forth and shall execute the same with great promptness, cared and accuracy in a workman like manner to the satisfaction of the Railway will complete the same in accordance with the said specifications and said drawings and the said conditions of contract on or before day **31.12.2021** and will maintain the said works for a period of **06(SIX)** calendar months from the certified date of their completion's and will observe ,fulfill and keep all the conditions there in mentioned (which shall be deemed and taken to be part of this contract as if the same had been fully set forth herein)AND the Railway hereby agree that if the contract shall duly perform the said works in the manner aforesaid and observe and keep the said terms and conditions the Railway will pay or cause to be paid to the contractor for the said works on the final completion thereof the amount due in respect thereof at the rates specified in the schedule here to annexed.

NOTE:- This contract agreement is issued subject to all these conditions of tender accepted vide

**Sr.DEN(CO)BCT'S Letter No. W 735/2/10(WA) dt. 31.03.2019**

SWO Vetted by Sr.DFM-BCT videE- office No. 170614 All terms and Condition as per original C.A. Value& Sanctioned by Sr. DEN(CO)BCT



Signature of the contractor  
M/S. Prudent Control Pvt. Ltd

Divisional Engineer(Est /South)  
Western Railway Mumbai central  
Mumbai-400008  
(For and on behalf of President of India.)

In presence of :

Signature:

Name of Block letters: OS(WA)BCT

Address: C/o Sr.DEN(CO)BCT

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WESTERN RAILWAY SWO Statement					
Name of work - Mumbai Central & CCG- Improvement of fire safety work at PRS & station building at Mumbai central and station building & GLO Building at CCG as per fire audit guidline.					
W. O. No. & Date : 735/2/10(WA) & 31.03.2019					
Name of Agency : Prudent Controls Pvt Ltd					
Item. No	Unit	Rate	Quantity	Amount	
<b>Sch - 'A' All USSOR Items</b>					
Chapter - 8					
1/081031	Kg	75.92	1000.00	75920.00	
			0.00		
Total				75920.00	
Escl. Rate Less ( - ) 10% below				7592.00	
Total				68328.00	
contractor Rate Add ( + ) 29.00% above				19815.12	
Total of Sch 8				88143.12	
Chapter - 13					
131133	Meter	249.57	1500.00	374355.00	
	Total			374355.00	
Escl. Rate Less ( - ) 19.75% below				73935.11	
Total				300419.89	
contractor Rate Add ( + ) 40.00% above				120167.96	
Total of Sch 13				420587.84	
Chapter - 18					
Extra Item's					
1 / 181021	Cum	592.73	19.50	11558.24	
	Total			11558.24	
Escl. Rate Less ( - ) 12.25% below				1415.88	
Total				10142.35	
contractor Rate Add ( + ) 29.00% above				2941.28	
Total of Sch 18				13083.63	
Total of Sch A-All USSOR Items					
				521814.60	
<b>Sch - 'B' All Non Sch Items</b>					
1/NS	Each	6888.00		0.00	
2/NS	Each	8929.00		0.00	
3/NS	Each	8899.00	2.00	17798.00	
16/NS					
ii	RM	1707.00	65.00	110955.00	
iii	RM	1463.00	171.25	250538.75	
At the Rate of 98.00%	RM	1433.74	102.75	147316.79	
At the Rate of 96.00%	RM	1404.48	61.00	85673.28	
19/NS	Each	198.00	75.00	14850.00	
At the Rate of 98.00%	Each	194.04	45.00	8731.80	
At the Rate of 96.00%	Each	190.08	790.00	150163.20	
i	Each	6451.00	1.50	9676.50	
At the Rate of 98.00%	Each	6321.98	0.90	5689.78	
At the Rate of 96.00%	Each	6192.96	9.60	59452.42	
24/NS	Each	9675.00	5.00	48375.00	
25/NS	Each	5585.00	12.50	69812.50	
At the Rate of 98.00%	Each	5473.30	7.50	41049.75	
At the Rate of 96.00%	Each	5361.60	20.00	107232.00	
			0.00		
Total				1127314.76	
Contractor's Rate Add ( + ) 29.00% above					
Total of Sch - B					
				1454236.04	
Total of Sch - A + Sch - B					
				1976050.64	

Extra Items				
1/NS (Supplying, installing, testing and commissioning of G.I. Pipes confirming to IS 1239 Pt - I Heavy grade with painting, suitable type of supports ( Shall be fabricated by M.S. Channel / Angle / Flat for above 50 mm dia), anchor fasteners, bolts nuts, clamps, "U" bolts, fittings such as Reducers, Tees, elbows, flanges. Including cutting, Welding, fixing in / on walls, ceiling by using suitable supports etc. The quoted rate shall also include forchasing / chipping walls, and making them good with filler material and finished in cement morter etc. complete.)				
a.65mm dia.	Meter	1375.00	450.00	618750.00
b.40 mm dia.	Meter	950.64	950.00	903104.68
c.32mm dia.	Meter	789.60	340.00	268464.68
2/NS (Supplying, installing, testing and commissioning of hydraulically operated Sprinkler control valve, with water motor gong bell, test trims, wet trim kit complete with stop valve, pressure gauges, drain valves, ball valves, check valves, strainers etc. confirming to latest IS Code complete. Alarm valve shall be UL Listed / FM approved.(shall be procured after due approval from EIC) Alarm Valve complete with water motor gong & trims 150mm.)	Each	57662.06	1.00	57662.06
3/NS (Supplying, installing, testing and commissioning of C.I. Non-return valves (PN 16) swing check type with required flanges, nuts, bolts and gaskets etc. complete.. Rates are inclusive of all taxes, transportation, labour & material, fittings etc. Complete)			0.00	
a. 100mm dia	Each	10021.00	4.00	40084.00
4/NS (Supplying, installing, testing and commissioning flow switch on sprinkler distribution header on each floor and shall be connected to fire alarm panel through cable. Cable shall be measured separately Flow switch shall be "UL" Listed and FM Global approved. Flow Switch )	Each	8972.37	7.00	62806.59
5/NS ( Supplying, Installing, testing and commissioning Brass Ball valve with Union, Barell Nipple,..)			0.00	
a. 32mm	Each	4300.00	8.00	34400.00
b. 25mm	Each	3835.00	12.00	46020.00
6/NS ( Supply & fixing Commissioning of 15 mm size Quartzoid bulb type sprinkler(Make-Newage/Tyco or equivalent), of rating SR-SC- K-5.6(80) -79dg.C with required accessories (a) Upright type Rate including all materials, Labours, T&P, transportation and taxes etc. complete)	Each	609.10	55.00	33500.50
7/NS (Supply and installation of 25mm dia Air Release Valve(Make-Zoloto/Sant/Newage or equivalent)	Each	2964.19	12.00	35570.28
8/NS (Supplying, installing, testing and commissioning Announcer panel for Flow switch)	Each	61311.20	1.00	61311.20
9/NS (Electronic alarm sounders in a metallic box complete as per IS : 2189 and specifications..)	Each	595.65	1.00	595.65
10/NS (Supplying and fixing 25 mm dia. Sight Glass(Make-Newage/HD Fire or equivalent) Test Connection bends, elbows, flanges, unions, couplings etc. (Test connection Assembly)	Each	19752.90	14.00	276540.60
11/NS (Providing Floor mounting stand for keeping 4 Nos. of FIRE buckets ISI marked 1500mm in length, 900mm in height frame made out of 30x30x4 mm angle iron with cross supports for legs, welded with 4 hooks and duly painted with one coat of red lead and two coats of silver paint complete.)	Each	9875.71	4.00	39502.84
12/NS (Supply of following size of 1.1KV grade multicore Copper conductor XLPE insulated & PVC sheathed armoured power cable(Make-Polycab/KEI or equivalent) as per IS: 7098 (Part-1) 1988 complete as required..)			0.00	
a.Flow Switch cable 2 x 1.5 mm <sup>2</sup> copper conductor armoured PVC cable ISI Marked from each Floor	Meter	120.00	200.00	24000.00
b.Supply, laying testing & commissioning Cables for Alarm System (Cu.Armoured) call Point 4core x 1.5 mm <sup>2</sup>	Meter	251.43	300.00	75428.10
c.3 x 25 mm <sup>2</sup>	Meter	1332.53	100.00	133253.00
d.3 x 6 mm <sup>2</sup>	Meter	616.79	80.00	49343.20

e.3.5 x 150 mm2		Meter	7135.25	200.00	1427050.00
13/NS (Supply and installation of cable end termination(Make-Commet/Dowells or equivalent) of each type of cable)		Each	2141.46	46.00	98507.16
14/NS (Fire resistant door(Make-GWS/Schroders or equivalent) for stairwell size 2400 x 2500mm complete with all accessories.)		Each	101308.88	33.00	3343193.04
15/NS (Providing and fixing automatic motor control centre for hydrant, & jockey and booster pumps to suit the HP of motor for the rated capacity and desired head of pumps. MCC shall be provided with suitable starters and controls for 2 No. Hydrant pump (Electrically operated), 2 No. Fire Sprinkler pump ,4No.Jockey pump ,2 Nos. Booster pumps at terrace level (Electrical Driven) Comprising of automatic switch unit isolators, pressure switches to set operating pressure, switches rated 500 Volt AC 50 Hz supply for continuous maximum load and Supply company's regulations, contacts of suitable size, internal isolating baffles, terminal boxes for cables suitably screwed, standard 250 volts, 15 Watt bayonet cap, indicator lamps for the respective pumps behind ruby domes suitably protected against damage, interlocking arrangements as per Fire Brigade's stipulations, auxiliary switch/switches to provide warning by lighting of a lamp and hooters for audible alarm both at pump room and main fire console, tripping a circuit breaker connecting the electric supply to leave ample power for Fire pump, if so required. Auxiliary switch to be rated at 5 Amps. 250 volts AC complete with C.T. connected ammeters, volt meters and selector are to be provided on the panels for each starter and incoming switch fuse unit including necessary power and control cabling from panel to respective pumps complete as specified.)		Each	576624.73	1.00	576624.73
16/NS (Supply, erection, testing & commissioning Booster Pump On/Off Switches (Gr. & 4 upper flrs.) )		Each	1387.34	6.00	8324.05
17/NS (Core Cutting.)				0.00	
a.50mm size		Each	760.00	300.00	228000.00
b.75mm size		Each	820.00	150.00	123000.00
c.100mm size		Each	860.00	130.00	111800.00
18/NS (Supply instalation 600x600x300 mm pedestal for riser at ground floor location.)		Each	4937.86	10.00	49378.60
19/NS (Supply of welding Fire Blanket 2000x2000mm ISI Marked)		Each	9856.00	3.00	29568.00
20/NS (Supplying and fixing of Aeroslo based system(Make- Fireban/FirePro or equivalent) with control panel for switch room)		Each	239855.00	6.00	1439130.00
21/NS (Supply and intallation of 80mm Drencher line with nozzle all accessories.)		Meter	2754.75	420.00	1156995.00
22/NS (Supply, erection, of Fire duct Shutter fabricated out of M.S.sheet and frame, door shall be 900mm x 1500 mm min. & fixed with 4 mm thick Glass, suitable Rubber bedding and Locking arrangement. Quoted rate shall be includes all fasteners etc, and complete shutter shall be powder coated of approved colour both inside and out side. Duct door for fire duct.)		Each	14176.47	14.00	198470.58
23/NS (Supplying, Installing, testing and commissioning CI Ball type foot valve with required flanges, nuts, bolts etc. complete.)				0.00	
a.150mm		Each	23328.58	4.00	93314.32
b.100 mm		Each	14750.00	4.00	59000.00
24/NS (Supply UL/FM/Vds/LPCB Listed Intelligent Ultraviolet Flame Detector (Make-GST/Honeywell/Ravel or equivalent) for Spark Detection.)		Each	16537.38	6.00	99224.28
25/NS Supply and fixing of exhaust Fan 9000CFM. The Fan complete with casing to be duly powder Coated, adjustable pitch die cast aluminium impeller & suitable for 415/3Ph/50 Hz AC supply.		Nos	230065.00	1.00	230065.00
26/NS Supply, Installation, Testing & Commissioning of starter panels of suitable rating with Auto/Manual Selector switch, ON/OFF push buttons for Manual Operation, Cyclic Timer or PFC for Auto operation.		Nos	22027.50	1.00	22027.50
27/NS Supply and fixing of Mechanical fire evacuation G.I. ducting conforming to the specifications and completely factory fabricated as specified for Fresh Air & Exhaust Air Fans				0.00	
a) 22 SWG		Sq.mtr	1615.35	100.00	161535.00

	28 NS Extruded Aluminium Powder coated grill	Sq.mtr	9300.50	50.00	465025.00
	29/NS (Supplying & fixing of GM Branch pipe with nozzels as per IS:903	Each	3080.00	66.00	203280.00
	30/NS (Hydrant Valve Orific Palte (SS))	Each	2760.00	33.00	91080.00
	31/NS (Providing coating of Bitumen Paint & 4 mm thick coal Tar Wrapping for underground Ring Main of Fire Fighting System. (Make -IWL/Star/or Equivalent)	Meter	1040.47	50.00	52023.57
	32/NS Supply installation of 1000mm Flexible dropper (Make-Newage/HD Fire/Tyco or equivalent) Unbraided 1/2" NPT with all support UL listed	Each	1652.85	450.00	743782.50
	<b>Total of Extra NS Item's</b>				<b>13770735.70</b>
	<b>Grand Total</b>				<b>15746786.34</b>



M/s. Prudent Controls Pvt. Ltd.