

2023/TeleDev/Estimate
(भारत सरकार) GOVERNMENT OF INDIA
(रेल मंत्रालय) MINISTRY OF RAILWAYS
(रेलवे बोर्ड) (RAILWAY BOARD)

No. 2023/Tele Dev/Estimate (3436020)

Dated 29.08.2023

PCSTE
South Central Railway
Secunderabad

Sub: Approval of Detailed Estimate- Arranging a copy of revised Detailed Estimate-Reg

Ref: (i) Railway Board's Letter no o.2023/TeleDev/Estimate (3436020), Dt:28.08.2023.

(ii) CSTE/P/SCR's letter no. SCR-HQ0SNT(ESTT)/5/2021 (e-199971) dtd 28.08.2023

Apropos above, a copy of the revised sanctioned detailed estimate for the work of "Provision of Long Term Evolution based Mobile Train Radio Equipment on existing/sanctioned TCAS routes (1463RKM)" is attached herewith for your reference.

(राकेश रंजन)

कार्यकारी निदेशक / दूरसंचार विकास

E-Mail: edtd@rb.railnet.gov.in

Copy to: PCSTE/All Zonal Railways for kind information.

Estimate No. C_SG_PT_LTE_1463

Name of the Work: Provision of Long Term Evolution based Mobile Train Radio Equipment on Existing / Sanctioned TCAS Route (1463 RKM)

S.No.	Description of Item	Detailed Estimate					Abstract Estimate					Variation					
		Qty	Unit	Cash Per Unit	Cash	Total	Qty	Cash Per Unit	Cash	Total	Qty	Rate	Other than Escalation	Escalation	Material Modification	Total	Difference Between AE and DE
1	LTE-EPC Core at OCC and BCC with all its sub elements - Serving-GW, PGW, HSS, MME, MCPTT, PCRF and associated accesories and switches in high availability mode with redundancy (HW+SW)	1	Set	377,600,000.00	377,600,000.00	377,600,000.00	1	377,600,000.00	377,600,000.00	377,600,000.00	0	0.00	0.00	0.00	0.00	0.00	0.00
2	LTE-Radio - eNode B at every station and intermediate location along with RRTS corridor as per Radio coverage along with all the associated elements with redundand controllers.																
a	2 sector site eNodeB at mid-sections (2 sector eNodeB - 1 Number or 1 sector eNodeB - 2 numbers)	379	No.	2,240,000.00	848,960,000.00	848,960,000.00	182	2,240,000.00	407,680,000.00	407,680,000.00	197	0.00	441,280,000.00	0.00	0.00	441,280,000.00	441,280,000.00
b	3 sector site eNodeB at stations (3 sector eNodeB - 1 Number or 1 sector eNodeB - 3 numbers)	17	No.	2,464,000.00	41,888,000.00	41,888,000.00	28	2,464,000.00	68,992,000.00	68,992,000.00	-11	0.00	-27,104,000.00	0.00	0.00	-27,104,000.00	-27,104,000.00
3	Antenna system for outdoor at all the locations of eNodeB with its installation materials	809	No.	448,000.00	362,432,000.00	362,432,000.00	448	448,000.00	200,704,000.00	200,704,000.00	361	0.00	161,728,000.00	0.00	0.00	161,728,000.00	161,728,000.00
4a	Cell Site Router at each site	416	No.	198,358.00	82,516,928.00	82,516,928.00	80	1,008,000.00	80,640,000.00	80,640,000.00	336	-809,642.00	66,648,288.00	-64,771,360.00	0.00	1,876,928.00	1,876,928.00
4b	IP Routers at central location/OCC	2	No.	2,832,000.00	5,664,000.00	5,664,000.00	2	2,832,000.00	5,664,000.00	5,664,000.00	0	0.00	0.00	0.00	0.00	0.00	0.00
5	NMS for Radio eNodeBs with terminal (HW+SW)	1	LS	66,080,000.00	66,080,000.00	66,080,000.00	1	66,080,000.00	66,080,000.00	66,080,000.00	0	0.00	0.00	0.00	0.00	0.00	0.00
6	Power Plant -48V, with N+1 rectifier Redundancy (floor mount)	257	No.	169,920.00	43,669,440.00	43,669,440.00	210	169,920.00	35,683,200.00	35,683,200.00	47	0.00	7,986,240.00	0.00	0.00	7,986,240.00	7,986,240.00
7	Battery Bank (Li-ion) @48V (floor mount)	257	No.	660,800.00	169,825,600.00	169,825,600.00	210	660,800.00	138,768,000.00	138,768,000.00	47	0.00	31,057,600.00	0.00	0.00	31,057,600.00	31,057,600.00
8	Site enclosures for power / battery	305	No.	89,684.10	27,353,650.50	27,353,650.50	80	188,800.00	15,104,000.00	15,104,000.00	225	-99,115.90	20,178,922.50	-7,929,272.00	0.00	12,249,650.50	12,249,650.50
9	Tower foundation, tower fabrication, tower erection including survey, soil investigation, design, drawings, testing, supply, transportation, storage, painting, earthing and fencing as per RDSO approved 40m tower drawings.	237	No.	0.00	0.00	1,012,541,356.80	63	0.00	0.00	151,802,280.00	174	1,862,766.40	743,384,793.60	117,354,283.20	0.00	860,739,076.80	860,739,076.80
10	OFC Cable, 24 Fiber	59	km	0.00	0.00	5,544,277.20					59	93,338.00	5,544,277.20	0.00	0.00	5,544,277.20	5,544,277.20
11	12 Core x 1.5 Sq.mm Signalling Cable	99	km	0.00	0.00	18,697,554.81					99	188,864.19	18,697,554.81	0.00	0.00	18,697,554.81	18,697,554.81
12	Excavation of trench to a depth of 1000mm and width of 300m at bottom in all types of soil(Normal soil/soft soil/sandy soil except in hard morum / rocky soils /bridges/ level crossings/ track crossings/ coil pits,) as per RDSO Sketch no SDO/CABLE LAYING/003 including marking of cable alignment, clearing of jungle, bushes, trial pits if required, refilling with excavated soil, ramming and consolidation after laying of cables complete to the finished item of work as directed by supervisor in-charge.	58,350	RMT	0.00	0.00	2,659,447.13					58,350	45.58	2,659,447.13	0.00	0.00	2,659,447.13	2,659,447.13

S.No.	Description of Item	Detailed Estimate					Abstract Estimate				Variation						
		Qty	Unit	Cash Per Unit	Cash	Total	Qty	Cash Per Unit	Cash	Total	Qty	Rate	Other than Escalation	Escalation	Material Modification	Total	Difference Between AE and DE
13	Excavation of trench to a depth of 1000mm and width of 300m at bottom in hard morum soil as per RDSO Sketch no SDO/CABLE LAYING /003 including marking of cable alignment, clearing of jungle, bushes, trial pits if required, refilling with excavated soil, ramming and consolidation after laying of cables complete to the finished item of work as directed by supervisor in-charge.	9,900	0	0.00	0.00	583,161.27					9,900	58.91	583,161.27	0.00	0.00	583,161.27	583,161.27
14	Breaking of metal / tar road and refilling after laying the cables as per drawing no.SDO/CABLE LAYING/010. The surface of the road shall be concreted to match with the old surface.	30,750	RMT	0.00	0.00	4,600,419.64					30,750	149.61	4,600,419.64	0.00	0.00	4,600,419.64	4,600,419.64
15	Trenching under Rails for crossing the track(Track crossing) and refilling of trenches as per RDSO drawing No.SDO/CABLE LAYING /009. The track crossing shall be done at right angles. The depth of cable trench shall be 1.2 Mtr. below the rail flange. The depth between top cable and the level of rail flange of the rail shall never be less than 1.0 Mtr.. The ballast shall be Stored separately while making the trench and the earth soil shall be stored separately. while re-filling the trench, the earth soil has to be filled first to the ground level and the ballast has to be properly put in the track. this work has to be done under supervision of S&T Representative and Representative of P.Way.	1,584	RMT	0.00	0.00	235,308.86					1,584	148.55	235,308.86	0.00	0.00	235,308.86	235,308.86
16	Laying different type cables in the trench / duct. Termination covered elsewhere.	100,584	RMT	0.00	0.00	529,862.14					100,584	5.27	529,862.14	0.00	0.00	529,862.14	529,862.14
17	Supply of HDPE telecom duct with outer diameter of 40mm and inner diameter of 33mm permanently lubricated as per Specn. No. RDSO/SPN/TC/45/2013 Rev.2.0 Amdt.2 or latest . HDPE pipe shall be supplied along with 4mm dia polypropylene rope of approved quality inside wherever required. The length of HDPE telecom duct should be 1 KM. End plugs to be provided along with drum (free of cost) (2 No./Km.).	59	km	47,648.82	2,830,339.99	2,830,339.99					59	47,648.82	2,830,339.99	0.00	0.00	2,830,339.99	2,830,339.99
18	Laying of HDPE duct 40/33 mm dia in the trenches and in protective works already provided.	59	km	0.00	0.00	310,157.10					59	5,221.50	310,157.10	0.00	0.00	310,157.10	310,157.10

S.No.	Description of Item	Detailed Estimate					Abstract Estimate				Variation						
		Qty	Unit	Cash Per Unit	Cash	Total	Qty	Cash Per Unit	Cash	Total	Qty	Rate	Other than Escalation	Escalation	Material Modification	Total	Difference Between AE and DE
19	Blowing of armoured optic fiber cable (OFC Cable supplied by Railways) into the duct supplied elsewhere by using blowing machine and associated works. Before blowing the duct integrity shall be tested. If any defect is found during duct integrity test, the entire length of HDPE duct from one chamber to another chamber is to be replaced by the contractor at free of cost.	59	km	0.00	0.00	461,981.38					59	7,777.46	461,981.38	0.00	0.00	461,981.38	461,981.38
20	Supply and Installation of OFC joint enclosure and splicing of Optic fiber cable (24 fibres) and testing as per technical specification No. GR OJC-2/02 Sept 2003. Supply of Splice Enclosure (24 fiber) shall be of TVS make Part No.1500-L18X-XX as per Board specification of TEC and Schedule of supply enclosed. All materials including Fusion splicing machine used for fiber splicing and, OTDR for testing and other testing materials if any shall be arranged by the contractor	792	No.	0.00	0.00	5,353,693.71					792	6,759.71	5,353,693.71	0.00	0.00	5,353,693.71	5,353,693.71
21	Supply & Laying of G.I Pipes 50 mm dia. medium quality to specification IS.1239 (part-I) 1990 and galvanised to specification IS.4736-1986 On bridges , culverts, trench with channel ramps on either end of the culvert/bridges. Clamping arrangement with MS brackets for fixing of GI pipes on bridges/culverts, small holes of 5mm are to be drilled on the pipe before laying of the pipes.	990	RMT	0.00	0.00	264,931.07					990	267.61	264,931.07	0.00	0.00	264,931.07	264,931.07
22	Supply and installation of rack mounted 24F FMS fiber part no.fms-1u 24FS 24FP Raychem make including 24Nos 0.2db FC/PC adaptors and 24numbers 900 micron 1.5 meter FCPC pigtails. RDSO Spec No.: RDSO/ SPN/TC-037-2000 (Ver.3) or latest.	792	No.	17,157.41	13,588,669.29	13,588,669.29					792	17,157.41	13,588,669.29	0.00	0.00	13,588,669.29	13,588,669.29

S.No.	Description of Item	Detailed Estimate					Abstract Estimate				Variation						
		Qty	Unit	Cash Per Unit	Cash	Total	Qty	Cash Per Unit	Cash	Total	Qty	Rate	Other than Escalation	Escalation	Material Modification	Total	Difference Between AE and DE
23	Supply of Basic material to construct unit maintenance free earth as per RDSO Spec no: RDSO/SPN/197/2008 consisting of: (I)Copper bonded steel electrodes of 3.0 mtr long,17.0 mm dia with Copper bonding thickness of Min 250 microns and UL listed and marked- 1nos. II) Earth enhancing compound of RDSO approved brand supplied in sealed bags of min 10kg pack- 3 nos III) Copper strip of 150mmx25mmx6mm to terminate earth rod--1nos. IV) Copper strip of 300mmx25mmx6mm -1nos. Cadmium bronze cable of size 3/16" Earth electrode and coupler along with earth enhancing compound material(10kg pack) VI) Supply of 35 sqmm Multi strand single core PVC insulated copper cable as per IS:694 for connecting main electrode to the equipment room in duplicate:20mtrs VII) Supply of 10 sq.mm multi strand single core PVC insulated copper cable as per IS:694 for connecting various equipments--20mtrs	416	Set	17,738.98	7,379,416.57	7,379,416.57					416	17,738.98	7,379,416.57	0.00	0.00	7,379,416.57	7,379,416.57
24	Installation of single earth (maintenance free) including the following:- welding and fixing of copper tape (used as bus bar) welding of cadmium bronze cable to copper plate using material supplied vide item no. 1,2 of SPD of Sch-A . All the material supplied for mounting of copper tape, exothermic weld materials, tools and fixtures for welding copper tapes shall be arranged by contractor.	416	Set	0.00	0.00	1,874,109.71					416	4,505.07	1,874,109.71	0.00	0.00	1,874,109.71	1,874,109.71
	a. Digging /Auguring/Boring of single earth pit of 100mm to 125 mm dia to the depth of approx. 2.8 meter.																
	b. Insertion of 3.0 meter electrode and penetrating it at least .2 meter by pushing gently with sledge hammer where the natural soil is assumed.																
	c. Filling of earth pit with earth enhancement compound (EEC) in slurry from and backfilling.																
	d. Carrying out exothermic weld connection on single earth electrode to a copper tape of 150X25X6mm.																
	e. Carrying out exothermic weld connection on the copper tape of 150X25X6mm on earth electrode for connecting two 35 Sq mm cables for redundancy..																
	f. The exothermic welding material for bonding the earth system shall be procured from RDSO approved firms, which includes graphite moulds, clamps, weld metal powders.																

S.No.	Description of Item	Detailed Estimate					Abstract Estimate					Variation					
		Qty	Unit	Cash Per Unit	Cash	Total	Qty	Cash Per Unit	Cash	Total	Qty	Rate	Other than Escalation	Escalation	Material Modification	Total	Difference Between AE and DE
	g. Digging a trench to a depth of at least 0.5 Mtr. and run the two 35 Sq mm earth conductor (procured against supply item) from earth pit to MEEB.																
	h. Routing and termination of two 35 sq mm earth conductors in trench from earth pit to 300X25X6mm MEEB, which is to be fixed inside the equipment room with two insulation studs.																
	i. 300X300X300 mm (inside dimension) concrete earth pit with a concrete lid, approx 50mm thick with pulling hooks, shall be provided to cover the pit. Back side of the cover will be painted in black and dare of the testing and average resistance value shall be written.																
25	Supply Transportation and installation of RCC cable Route Markers with round collers. They should be standard Lettering "SCR", "S&T", with SIGNALLING on the top engraved to a depth of 8 mm and painted on one side .They shall be painted with "Green" when placed at joint chamber, "Yellow" Placed at loop chamber and "RED" at all other places the length is 1000mm width is 300mm and thickness 80 mm with reinformation as per drg.no: SK-12/10.Get the Approval of above material after supplying sample materials to Sr DSTE / SC office	1,980	No.	0.00	0.00	567,411.43					1,980	286.57	567,411.43	0.00	0.00	567,411.43	567,411.43
26	Hiring of multi purpose vehicle Non AC in good working condition of capacity of transporting men and materials for a required period during day and night from any place to any place over Secunderabad Division and other division of S.C.Rly.in case of requirment with overall 2500 Kms per month, with contractors road vehicles,driver fuel consumables such as diesel,engine oil etc...including regular maintainance/repair works including taxes,toll fees,driver batta etc... complete as directed by engineer/officer in charge.	216	Per Vehicle for month	39,000.00	8,424,000.00	8,424,000.00					216	39,000.00	8,424,000.00	0.00	0.00	8,424,000.00	8,424,000.00
27	One Number Non-AC SUV (2500 KM per month, Cumulative 30000 per year) of Maruti Suzuki Ertiga, Maruti Suzuki XL6, Mahindra TUV300	72	Per Vehicle for month	48,000.00	3,456,000.00	3,456,000.00					72	48,000.00	3,456,000.00	0.00	0.00	3,456,000.00	3,456,000.00
28	Cab LTE Modem / switches (router with antenna)	200	No.	470,400.00	94,080,000.00	94,080,000.00	200	470,400.00	94,080,000.00	94,080,000.00	0	0.00	0.00	0.00	0.00	0.00	0.00
29	Ruggedised MCPTT LTE handsets (with battery, charger). It should support all bands prevalent in India including 700MHz carrier. Battery should support minimum talking time of 6-8 hrs.	200	No.	168,000.00	33,600,000.00	33,600,000.00	200	168,000.00	33,600,000.00	33,600,000.00	0	0.00	0.00	0.00	0.00	0.00	0.00

S.No.	Description of Item	Detailed Estimate					Abstract Estimate					Variation							
		Qty	Unit	Cash Per Unit	Cash	Total	Qty	Cash Per Unit	Cash	Total	Qty	Rate	Other than Escalation	Escalation	Material Modification	Total	Difference Between AE and DE		
30	LTE handsets with MCPTT (with battery, charger)	300	No.	28,000.00	8,400,000.00	8,400,000.00	300	28,000.00	8,400,000.00	8,400,000.00	0	0.00	0.00	0.00	0.00	0.00	0.00		
31	Onboard Cab Radio with one MMI / display, with 2 antenna per cab	200	No.	1,120,000.00	224,000,000.00	224,000,000.00	200	1,120,000.00	224,000,000.00	224,000,000.00	0	0.00	0.00	0.00	0.00	0.00	0.00		
32a	Dispatcher servers with Terminals (10 no.) at OCC, BCC	1	No.	67,200,000.00	67,200,000.00	67,200,000.00	1	67,200,000.00	67,200,000.00	67,200,000.00	0	0.00	0.00	0.00	0.00	0.00	0.00		
32b	Dispatcher Console	30	No.	1,055,769.60	31,673,088.00	31,673,088.00	30	1,055,769.60	31,673,088.00	31,673,088.00	0	0.00	0.00	0.00	0.00	0.00	0.00		
32c	Dispatcher terminals	210	No.	374,002.18	78,540,458.00	78,540,458.00	210	374,002.18	78,540,458.00	78,540,458.00	0	0.00	0.00	0.00	0.00	0.00	0.00		
33	Fixed Radio Terminals	22	No.	560,000.00	12,320,000.00	12,320,000.00	22	560,000.00	12,320,000.00	12,320,000.00	0	0.00	0.00	0.00	0.00	0.00	0.00		
34	Tools and testers	1	LS	9,440,000.00	9,440,000.00	9,440,000.00	1	9,440,000.00	9,440,000.00	9,440,000.00	0	0.00	0.00	0.00	0.00	0.00	0.00		
35	Leaky Coaxial cable - LCX	1	km	3,920,000.00	3,920,000.00	3,920,000.00	1	3,920,000.00	3,920,000.00	3,920,000.00	0	0.00	0.00	0.00	0.00	0.00	0.00		
36	Spares	1	LS	11,200,000.00	11,200,000.00	11,200,000.00	1	11,200,000.00	11,200,000.00	11,200,000.00	0	0.00	0.00	0.00	0.00	0.00	0.00		
37	OFC connectivity arrangements at mid sections towers / antennas	1	LS	13,200,000.00	13,200,000.00	13,200,000.00	1	13,200,000.00	13,200,000.00	13,200,000.00	0	0.00	0.00	0.00	0.00	0.00	0.00		
38	Survey and Design	1	LS	0.00	0.00	4,720,000.00	1	0.00	0.00	4,720,000.00	0	0.00	0.00	0.00	0.00	0.00	0.00		
39	Survey and design, project management, logistics, installation and commissioning of Radio, EPC Core, routers and integration	1	LS	0.00	0.00	94,400,000.00	1	0.00	0.00	94,400,000.00	0	0.00	0.00	0.00	0.00	0.00	0.00		
40	Leaky Coaxial cable deployment and passive DAS.	1	LS	0.00	0.00	28,320,000.00	1	0.00	0.00	28,320,000.00	0	0.00	0.00	0.00	0.00	0.00	0.00		
41	Drive test, acceptance and integration	1	LS	0.00	0.00	9,440,000.00	1	0.00	0.00	9,440,000.00	0	0.00	0.00	0.00	0.00	0.00	0.00		
42	Training (8 participants - 1 month)	8	Man Months	0.00	0.00	2,800,000.00	8	0.00	0.00	2,800,000.00	0	0.00	0.00	0.00	0.00	0.00	0.00		
43	Operation and Maintenance	2	Year	0.00	0.00	56,640,000.00	2	0.00	0.00	56,640,000.00	0	0.00	0.00	0.00	0.00	0.00	0.00		
Total of S&T Portion					2,649,241,590.35	3,899,785,262.60			1,984,488,746.00	2,332,611,026.00			1,522,520,585.40	44,653,651.20	0.00	1,567,174,236.60	1,567,174,236.60		
Tools and Plants Consumable				0.50%	13,246,207.95	19,498,926.31	Tools and Plants Consumable				0.00	0.00	0.00	19,498,926.31	0.00	19,498,926.31	19,498,926.31		
Contingencies				1.00%	26,492,415.90	38,997,852.63	Contingency				0.00	0.00	0.00	15,671,742.37	0.00	15,671,742.37	15,671,742.37		
Total including Contingencies					2,688,980,214.21	3,958,282,041.54	Total including Contingencies						1,522,520,585.40	79,824,319.88	0.00	1,602,344,905.28	1,602,344,905.28		
Departmental Charges				10.05%	270,242,511.53	397,807,345.17	D&G charges (90% of				0.00	0.00	0.00	173,386,838.36	0.00	173,386,838.36	173,386,838.36		
Sports Development				0.10%	2,688,980.21	3,958,282.04	Sports Development charges				0.00	0.00	0.00	-7,704,773.09	0.00	-7,704,773.09	-7,704,773.09		
EnHM (0%)				0.00%	0.00	0.00	EnHM (1%)				0.00	0.00	0.00	-23,326,110.26	0.00	-23,326,110.26	-23,326,110.26		
Total of S&T portion					2,961,911,705.95	4,360,047,668.76	Total of S&T portion						1,522,520,585.40	222,180,274.89	0.00	1,744,700,860	1,744,700,860		
Electrical / TRD Arrangement																			
Provision of AT arrangements				305	Loc	0.00	0.00	555,677,238.93	100	0.00	0.00	94,400,000.00	205	877,892.59	373,487,980.27	87,789,258.67	0.00	461,277,238.93	461,277,238.93
Tools and Plants Consumable				0.50%	0.00	2,778,386.19	Tools and Plants Consumable				0.00	0.00	0.00	2,778,386.19	0.00	2,778,386.19	2,778,386.19		
Contingencies				1.00%	0.00	5,556,772.39	Contingency (1%)				0.00	0.00	0.00	4,612,772.39	0.00	4,612,772.39	4,612,772.39		
Total including Contingencies					0.00	564,012,397.52	Total including Contingencies						373,487,980.27	95,180,417.25	0.00	468,668,397.52	468,668,397.52		
Departmental Charges				7.15%	0.00	40,326,886.42	D&G charges (90% of				0.00	0.00	0.00	30,350,033.62	0.00	30,350,033.62	30,350,033.62		
Sports Development				0.10%	0.00	564,012.40	Sports Development charges				0.00	0.00	0.00	92,012.40	0.00	92,012.40	92,012.40		
EnHM (0%)				0.00%	0.00	0.00	EnHM (1%)				0.00	0.00	0.00	-944,000.00	0.00	-944,000.00	-944,000.00		
Total of Electrical / TRD					0.00	604,903,296.34	Total of Electrical/TRD arrar						373,487,980.27	124,678,463.27	0.00	498,166,443.54	498,166,443.54		
Total					2,649,241,590.35	4,455,462,501.54			1,984,488,746.00	2,427,011,026.00			1,896,008,565.67	132,442,909.87	0.00	2,028,451,475.54	2,028,451,475.54		
Tools and Plants Consumable				0.50%	13,246,207.95	22,277,312.51	0.00%				0.00	0.00	0.00	22,277,312.51	0.00	22,277,312.51	22,277,312.51		
Contingencies				1.00%	26,492,415.90	44,554,625.02	1.00%				0.00	0.00	0.00	20,284,514.76	0.00	20,284,514.76	20,284,514.76		
Total including Contingencies					2,688,980,214.21	4,522,294,439.06							1,896,008,565.67	175,004,737.13	0.00	2,071,013,302.80	2,071,013,302.80		
Departmental Charges				10.05%	270,242,511.53	438,134,231.60	16.33%				0.00	0.00	0.00	203,736,871.99	0.00	203,736,871.99	203,736,871.99		
Sports Development				0.10%	2,688,980.21	4,522,294.44	0.50%				0.00	0.00	0.00	-7,612,760.69	0.00	-7,612,760.69	-7,612,760.69		
EnHM (0%)				0.00%	0.00	0.00	1.00%				0.00	0.00	0.00	-24,270,110.26	0.00	-24,270,110.26	-24,270,110.26		
Grand Total					2,961,911,705.95	4,964,950,965.10			2,225,028,626.90	2,722,083,661.26			1,896,008,565.67	346,858,738.16	0.00	2,242,867,303.83	2,242,867,303.83		
												Other than Escalation	Escalation		Total escalation				
												69.65	12.74		82.40				