



安全理事会

Distr.
GENERAL

S/1998/342
22 April 1998
CHINESE
ORIGINAL: ARABIC

1998 年 4 月 23 日

伊拉克常驻联合国代表给安全理事会主席的信

奉我国政府指示,谨随函转递伊拉克共和国副总理塔里克·阿齐兹先生 1998 年 4 月 22 日给你的信,信中载有伊拉克对于联合国特别委员会(特委会)执行主席 1998 年 4 月 17 日向安全理事会提出每半年一次的报告(S/1998/332)的答复。

请将本信及其附件和附录作为安全理事会的文件分发为荷。

常驻代表

大使

尼扎尔·哈姆敦(签名)

附件

1998 年 4 月 22 日

伊拉克副总理给安全理事会主席的信

我们阅读了 1998 年 4 月 17 日提交给安全理事会的每半年一次的报告,并作了仔细慎重的研究。这份报告公然不顾客观事实和公平原则,否认并歪曲事实,而且蔑视处理解除武装问题的基本规则。这份报告具有一种倾向,即无视七年来伊拉克为满足第 687(1991)号决议 C 节各项要求所作的一切努力。报告中充斥着大量错误和谎言,一开始就是一份政治性文件,目的是为特别委员会蓄意拖延第 687(1991)号决议规定的任务作辩解,充满偏见地责怪伊拉克,为继续对伊拉克的非法禁运找理由。

到本月初,规定设立特别委员会的第 687(1991)号决议通过已有七年。在这七年中,伊拉克竭力履行该项决议规定的各项义务。在这漫长的时期中,特别委员会深入细致地进行了无数活动(视察、面谈、讨论、取得文件、高级别政治会议、销毁档案等等)。然而,这份令人无法信任的报告无视这些事实,给人一种印象,似乎没有取得任何成绩。

我们对这份报告的评价没有任何夸大,而是一种客观合理的评价。我们要向安理会提出关于这份报告的下列主要意见:

1. 评估遵守第 687(1991)号决议 C 节其余要求的方法。

前执行主任对伊拉克并不友好。他与伊拉克交涉时很不宽容。安理会和世界舆论对此十分清楚。前执行主任离任前,于 1997 年 4 月 11 日提交了他的最后一份报告。现任执行主席理查德·巴特勒于 1997 年 7 月 1 日接任。那份报告述及特别委员会实质性工作的情况。该报告第 46 段内容如下:

“伊拉克和联盟实行停火以来六年期间所完成工作的累积效果是,对于伊拉克所留存被禁止的武器能力,不知道的已经不多。”

鉴于这一评估,我国曾希望在新的执行主席接任后,我们可以共同努力,在几个月

内解决前主席所称“不多”的工作,然后就可以开始执行第 687(1991)号决议第 22 段,解除对伊拉克的非法禁运,使伊拉克人民可以过正常生活,禁运造成的深重苦难可以结束,然后可以取消其他禁令。然而,一年过去了,尽管完成了本信附录所列述的各项工作,巴特勒先生依然对 1997 年 4 月的评价以及今年伊拉克开展各项活动所取得的重大进展视而不见,他所描绘的情势是没有取得任何进展。

这份令人难以信任的报告甚至突然改变了特别委员会早先使用的标准和程序,这些标准和程序曾受到我们的批评并使我们感到愤怒,因为其目的是蓄意拖延。这份报告提出了比早先更糟糕的新标准和程序,其目的显然是作进一步拖延。

该报告提出一些所谓中心要点,对安全理事会关于裁军阶段的有关决议内容作了不切实际的解释,声称裁军分三个阶段:伊拉克申报,核查,销毁、拆除武器或使其变得无害。该报告称,无法核查伊拉克关于不再拥有受禁武器的继续保证,而这是在销毁、拆除武器或使其变得无害之前的步骤。因此,该报告认为,委员会无法执行其任务(第 12 至 15 段)。按这一逻辑,整个工作需从零开始,因为这种说法抹煞了在武器销毁、拆除或使其变得无害领域以及在武器物质平衡表方面已取得的所有成果。特别委员会以前各次报告都已注意到这些事实(我们在本函附录中予以重述)。该报告还有意无视自 1994 年以来设立的综合监测系统。委员会以前各次报告指出,该系统是在 1991 年、1992 年、1993 年和 1994 年对伊拉克的能力进行全面调查后设立的。从该报告来看,我们完全无法指望特别委员会能采取可接受的方法,提交关于全面满足第 687(1991)号决议第 8、第 9 和第 10 段的要求的报告,以便按上述决议第 22 段取消禁运。为了说明这种怀疑有道理,该报告在委员会工作七年之后宣称执行新概念。这些新概念包括正面核实和负面核实(第 19 段),实际拒绝通过技术评价会议解决裁军阶段的未决问题,认为这种会议浪费时间,影响实地视察工作(第 83 至 88 段),以及拒绝列出完成裁军阶段尚需处理的基本问题,认为这样做是危险的(第 79 段)。该报告称,委员会在核查进程中的作用仅限于查明伊拉克所提供的“事实”是否真实,而完全不考虑过去七年中在裁军领域所取得的累积成果。

在这方面,应该回顾委员会 1993 年 12 月 1 日提交安全理事会的报告(S/26825)

中所载的下述核查概念:

“12. 委员会表示,深信核查关于伊拉克过去方案的现有资料的工作可以大部分提前完成,不必等委员会决定已在进行不断监测并且工作令人满意。委员会强调,核查将与开始全面进行的不断监测一同进行。虽然似乎不会,但如果核查的某些因素被不当地推迟,在监测阶段会继续进行核查。因此,核查不需推迟委员会和原子能机构根据第 687(1991)号决议第 22 段规定提出的报告。今后在过去方案方面如有任何新资料出现,委员会和原子能机构均欢迎伊拉克明白表示,承认委员会和原子能机构在执行第 687(1991)号决议第 22 段后有权立即进行现场视察。”

上述观点与特别委员会这次报告中所述新办法完全矛盾。

2. 第 687 号决议 C 节各项要求已获履行的事实

该报告对三个领域(导弹、化学武器和生物武器)所取得的成就的描述令人气馁;其中的陈述蓄意而有偏见地歪曲事实。执行主席所用的方法甚至与特别委员会以前的一些宣告和声明相互矛盾。去年秋天,他本人就曾说过,这项工作至多再要一年就可取消禁运。

(a) 导弹

特别委员会 1996 年 10 月在前执行主席领导下曾指出导弹领域各项尚未解决的问题。从 1996 年年底到 1997 年 8 月,进行了细致而大量的工作,以便解决这些问题。委员会 1997 年 10 月 6 日的报告(S/1997/774)第 42 和 43 段指出,在导弹的点算方面已经取得重大进展,并且特别委员会也认识到这项进展的重要性。但是,现在执行主席提出的有关导弹的资料似乎显示在这方面还有许多工作要做。事实上,与这方面有关的解除武装的主要工作在 1997 年夏天查明和销毁了火箭引擎和发射架之后就已完成。但是,执行主席又增加了新的规定,要求核查第 687(1991)号决议规定禁止的弹头。虽然我们已正式表明立场,指出这是过分的要求,并表示有关这项问题的核查并不在实质上影响到导弹领域解除武装的规定,但我们依然与特别委员会合

作,编制了所有常规弹头和特别弹头的物质平衡表。不过,执行主席故意无视这方面取得的成就。他带着偏见引用 1998 年 2 月初举行的技术评价会议对这项问题得出的结论,尽管他知道在会议之后通过重新挖掘工作已在核查物质平衡表的进程中取得重大进展。在他 1998 年 3 月 22 日至 26 日访问巴格达期间,他本人就曾目睹取得的成就。至今在这个领域已取得极大成就,问题已十分接近解决阶段,执行主席却故意掩盖这项事实。

从 1997 年 10 月的报告以来,伊拉克在技术和现场两方面作出了特别努力,按照 1997 年 7 月在巴格达高级别讨论中商定的事项,对委员会在导弹领域解除武装问题所提出的所有询问提供物证、提出答复和作出澄清。受禁导弹和导弹物质平衡表的工作已全部完成核算。核算发射架及其物质平衡表的工作也已完成,伊拉克单方面销毁的特别弹头的残余物和在特别委员会监督下销毁的特别弹头的残余物已经完成挖掘、点算和登记。对这些导弹从第 687(1991)号决议通过至其销毁之间的储存时期和储存方法作了全面澄清。目前已经查明,经挖掘和分析后查出的特别弹头的数目为 48 枚或 49 枚,其中包括 4 枚供训练用的弹头,此外还有 30 枚特别弹头在特别委员会的监督下销毁。

伊拉克还就 1997 年 7 月与巴特勒先生商定的其他问题提供物证、作出澄清和作出答复,这些问题与解除武装无关,但却涉及对导弹方案的了解,并可在第 22 段实施后继续追查。导弹推进剂的物质平衡表已经完全核实,对提出的问题已作出充分回答,并有证据和文件佐证。再次挖掘了伊拉克销毁的本国制造的部件(引擎组件和导弹外壳),其数量由特委会第 241 视察队点算清楚。关于销毁的方法、被毁物件的数量和种类都作出了澄清和答复,并提出文件(1991 年单方面销毁的物件的盘存清单)和销毁场址回收的物证的证明。伊拉克继续同特别委员会派遣进行核查的视察队合作,答应它们提出的要求,与数十名资深工作人员和技术人员(其中包括司机)就所有伊拉克单方面销毁的问题进行面谈。

所有这些活动说明了伊拉克在解除武装和落实与特别委员会前任和现任主席商定的义务方面作出的进展,因此我们对于委员会报告第 130 段所述在解除武装方面

没有任何进展的说法至感诧异。

(b) 化学武器

在化学领域,特别委员会 1997 年 2 月在巴格达举行的会议期间确定了七个尚未解决的问题:特殊弹头和化学弹头 VX 战剂,高级别的决定,包括生产程序和商业合同在内的侯赛因·卡米勒农场文件,特别委员会 1994 年向伊拉克方面解除扣押的生产设备,空投炸弹 DB-2,A'qarqof 场址的活动,化学分析设备。特别委员会 1997 年 4 月提出的报告(S/1997/301)提及这七个问题,并强调 VX 问题和特殊弹头是特别重要的问题。1997 年初以来,伊拉克方面向委员会提交详细信件作为 1996 年 6 月 22 日提交的全面、最后和彻底申报的补充部分,并在 1997 年 4 月特别委员会执行主席访问之前举行讨论期间,为这些问题作了澄清。特别委员会 1997 年 10 月向安全理事会提出的报告(S/1998/774)在化学领域以及在提及销毁剩余化学设备、材料和分析方面取得了进展。报告还说,特别委员会认为尚未解决的问题仅限于 VX 问题和特别弹头问题。这就是说,4 月份报告提到的其他问题已经解决。伊拉克已提供了关于这两个问题的所有资料。关于 VX 和特殊弹头的技术评价会议已在巴格达举行,通过信件和与特别委员会各个视察队举行的讨论,已经为 VX 方案作了多次澄清。最后,特别委员会已建议派遣两个视察队,一个队将再次讨论已于 1995 年结束的化学弹药物质平衡表。该队实际上于 1998 年 4 月 9 日至 14 日举行了讨论,其间再次讨论了各类空的和已填充弹药数目问题,但没有讨论特殊弹头问题,这是因为这个问题与特别委员会同伊拉克方面在导弹领域合作进行的活动相关。希望负责重新讨论设备物质平衡表的第二个视察队将在今后几天内到达。在巴格达举行的最近几次会议期间,执行主席指出,这两个问题(弹药和设备)解决后就可以解决 VX 问题。

伊拉克完全相信,化学领域解除武装的要求已经完成。如果在本阶段结束和第 22 段得到执行之后还有任何事项需采取后续行动,伊拉克愿意按照 1993 年 12 月 1 日特别委员会报告所载上述方法进行合作。

(c) 生物武器

在生物领域,特别委员会前主席在 1997 年 4 月提交的报告(S/1997/301)中说,已商定根据特别委员会提供的格式修改生物申报,以便缩短申报并消除不一致之处,完成核查进程。1997 年 9 月,在改正错误并回答特别委员会提出的详细问题和表格之后,伊拉克提交了所要求的增订申报,尽管特别委员会改变了对 1997 年 4 月达成的协议的立场,要求重写全面申报,并要求回答特别委员会提出的问题和表格。这导致申报的篇幅增加和其中的资料重复。1997 年 10 月提交的特别委员会报告(S/1997/774)说,1997 年 9 月提交的全面申报同 1996 年提交的申报基本上没有什么不同,伊拉克没有提供核查进程所需的新文件。但是伊拉克从一开始就申明,它除了提交给特别委员会的文件之外再也没有其他文件。1998 年 3 月举行了 1997 年 12 月商定的生物技术评价会议,会议结果基本上大体类似 1997 年 10 月报告所载内容。安理会现在收到的报告重申了相同的评价。值得指出,在 1997 年 4 月和 1998 年 4 月期间,伊拉克方面通过特别委员会派出的视察队、讨论和同有关官员的面谈,尤其是最近举行的技术评价会议,针对反复提出的问题提供了大量澄清、解释和答复。特别委员会还派出许多视察队调查同前生物方案或特别委员会声称进行中的活动有关的被禁生物活动,但是并没有发现任何证据支持其指控。尽管如此,特别委员会仍坚持其立场,驳回生物申报,借口是申报不充分、不完整、有错误,缺少支持其中所载资料的文件。特别委员会采取了笼统批评和泛泛而论的方式,对引起关注的问题不加区别,具有相同的重要性,不顾其对执行关于解除武装阶段的第 687(1991)号决议的影响如何。关于 1998 年 3 月 19 日至 27 日在维也纳举行的生物技术评价会议,在这几次会议上伊拉克第一次有机会提出自己对前生物活动的观点并向生物领域国际专家提出资料、解释和论点,以补偿伊拉克无法提出的支持文件。这是一个具有正面意义的机会,产生了重要的结果,但是特别委员会目前的报告无视这些结果。特别委员会说国际专家的意见都是负面的,我们对此感到惊讶。

显然,这是对伊拉克关于生物档案的申报的政治性、而不是技术和科学性攻击,

尽管申报中已经提出了我们拥有的关于该问题的所有资料和事实。委员会坚持拒绝接受这项申报,借口是无法进行核查,尽管 1995 年 9 月以来一直在讨论、视察、澄清和面谈。特别委员会并没有提出反驳伊拉克申报的具体证据。只是一味提出指控和散布怀疑。

伊拉克诚恳真实地说明了生物档案的情况,特别委员会没有提出支持其批评的任何具体证据,因为其批评是出于政治和宣传动机。

伊拉克确信它已满足了同此案解除武装有关的全部要求。所有生物武器和武器组件均已销毁。所有有关工厂和设备,所有有关生物活动的 88 个场址,均在一个全面和精密的监测系统的监测之下。

伊拉克愿意在第 687(1991)号决议第 22 段执行之后,使用上述 1993 年 12 月 1 日特别委员会报告中说明的方式,继续同特别委员会合作。

证据问题

执行主席无视收到的证据,在报告好几个地方次对伊拉克提出的它不再拥有被禁止武器的声明进行攻击。

我们要求立即停止这种说法。这种攻击证据何在?执行主席为什么不向伊拉克提出证据,让伊拉克能够澄清立场。他为什么不把这些证据提交给安全理事会成员?特别委员会过去偶而提供合作,提出了所谓的证据。伊拉克因此能够加以澄清。最后一次是在维也纳举行的技术评价会议中展示的电视影片。特别委员会认为这是在伊拉克的申报中没有提到的一种生物试验。但国际专家都知道,这些试验是化学而不是生物试验。

联合国机构不应该提出没有证据的指控。副总理与前执行主席于 1996 年 6 月 22 日达成的《联合行动纲领》规定,“为了加强建立信任,必须以透明开放的方式开展工作,包括适当分享 1995 年 8 月在伊拉克获得的资料。”

先前的协定是有缺陷,但新任执行主席已经把以前使用的所有协定和程序全部推翻了。他实行的是只能被解释为具有政治偏见的工作程序。

还值得指出的是,在技术评价会议以及在国际专家面前,我们都要求提出指控的

证据。但特别委员会拒绝并坚持在执行主席报告中所提出的做法,就是说伊拉克必须提供它所拥有的物品,委员会的任务就是核查。这种做法是不公平的。伊拉克已经提供了它所拥有的物品。伊拉克一向愿意、对特委员会的任何怀疑加以澄清。但是,如果说有证据却又不明确提出,这种做法则是不能接受的。安全理事会应当要求特别委员会当着伊拉克的面,向安理会提出它声称掌握的所有证据,以便伊拉克澄清立场,一劳永逸彻底地解决这个问题。

特委会声称的隐藏活动

自 1996 年以来,特别委员会一直散布捏造的指控,说伊拉克对被禁武器和备件进行“隐藏活动”或“隐藏机制”。

特别委员会在 1996 年初至 1998 年 3 月 31 日期间对敏感场址(共和国卫队、特别卫队和治安机构)进行多次未经准备的视察,并视察了其他场址和进行其他活动。特别委员会已视察了 133 个敏感场址、视察队进行了 183 次生物视察、328 次导弹视察、172 次化学视察和 19 次进出口视察。

最近在公然指控八个总统府邸藏有工厂、化学和生物武器的生产设备以及威胁全世界的大批这类武器之后,特别委员会却没有在这些场址发现任何东西。特别委员会以前进行的视察也没有找到任何受禁的物品。这些错误的指控和其他谎言还要继续多久?

我在 1998 年 2 月 20 日与秘书长举行的正式会议上发表下列声明:

“1995 年 8 月我在一次非正式会议上通知埃切于斯先生,现在我又在阁下面前公开表明,他有权在合理的时限内核查新的结果,我们尽可能透明地与他充分合作。但是,最后他会发现他在 1995 年 6 月提交安全理事会的报告中关于导弹和化学领域的结论依然有效;最终他会发现没有隐藏任何导弹、发射器或储备化学物资。在生物领域,他会发现被隐藏的实际上是生物方案整个发展过程的某些方面而非生物武器。我代表伊拉克政府向阁下坚决重申这一声明。

我请阁下、特委会 21 名委员和安全理事会采用客观、科学和技术手段尽快确定这一事实。我希望你会坚决支持这一核查方法,并建议特委会执行主席

和他的工作人员放弃他们在核查这些事实时使用的无休无止的、毫无结果的、挑衅性的法庭方法。”

伊拉克要求安全理事会停止提出错误的指控,利用这些指控来进行进入性视察并证明委员会的立场是有理的。这种指控与解除武装过程无关,真正目的是为决心再度向伊拉克展开军事侵略的美利坚合众国收集情报,为不了结案件的做法找理由及推迟执行安全理事会第 687(1991)号决议第 22 段。

我们促请安全理事会要求特别委员会向安理会提交它手上有关该问题的一切资料,并告诉安理会这些伪造的资料的来源。伊拉克愿意就这些资料提出一切必要的澄清。

最后,我们要对该报告(S/1998/332)第 130 段的内容提出意见,该段表示:“伊拉克引起的四个月危机的一个重要后果是,同上一个报告期间不同,本报告所述期间实际上没有关于核查解除武装的进展情况值得报告。如果这是伊拉克引发危机的目的,那么可以说它在很大程度上达到了它的目的。”

这个结论最少可以说是无耻的谎言。1997 年 11 月初爆发危机后核查工作只中断了 20 天,这种停顿是执行委员会的决定而不是伊拉克的决定,伊拉克只是要求美国人不要参与特别委员会的活动。但是在本报告所述期间,视察队、监测组和技术评价会议继续进行它们的活动(附录 A 和 B)。

这是执行主席在向安全理事会说明事情经过和实况时有失客观的又一例证。

这些例子表明了特别委员会对伊拉克所持的偏颇立场,表明了它的夸张和谎言以及处理第 687(1991)号决议 C 节规定执行工作的奇怪方式。

我们已经提出警告,指出特别委员会以其目前的组成,称不上是一个中立而诚实对待伊拉克的国际组织,而是一个受美国控制、被美国利用来达成其对伊拉克的政治目的的组织。该报告是这种情况的一个明显证据。它几乎可以说是一份美国的文件,旨在证明美国有理由在该地区进行军事集结、胁迫伊拉克人民和计划对伊拉克进行侵略。1998 年 2 月 23 日伊拉克同联合国秘书长达成协议后,这种侵略一时遭到挫败。该报告也是要帮助实现美国的目标,把对伊拉克实施的不公正的禁运无限

期延长下去,使海湾产油区或多或少忧虑难安。

这种情况是不能接受的。对我们来说,这不是政治或技术游戏,而是 2 200 万人民的命运,已有数十万人因为八年来施加给它的不公正禁运而死亡。所有这些人民仍在承受深重的苦难,仍被剥夺了正常生活的一切必需品。

伊拉克确实已经履行第 687(1991)号决议第 8、第 9 和第 10 段中规定的所有有关解除武装的义务,它从 1991 年 11 月以来不再拥有任何被禁武器或备件。安全理事会第 715(1991)号决议设立的监测制度已从 1994 年实施,伊拉克一直对这种制度给予充分的合作。此外,第 1051(1996)号决议设立的进出口机制也已付诸实施并充分运作。

根据上述事实,安全理事会第 687(1991)号决议 C 节的规定已经得到执行。伊拉克要求安全理事会不附加任何新的限制或条件,立即执行第 687(1991)号决议第 22 段。

安全理事会负有法律和道义上的责任执行该项规定,不应再事拖延。那些阻止安理会这样做的国家,必须对它们不公正的立场及其后果承担全部责任。

伊拉克共和国

副总理

塔里克·阿齐兹(签名)

Annex A

*The Activities of Inspection Teams and Monitoring Groups for the period from
1/10/1997 to 20/4/1998.*

**Information concerning the inspection teams that implemented certain activities inside Iraq
for the period from 1/10/1997 to 20/4/1998**

Biological Activity

Ser.	Team	Period	No. of Inspectors	No. of visited sites	Teams Mission	Notes
1	UNSCOM-211	18/10/97 - 23/10/97	7	-	Discussion , Interviews and verification	- The chief inspector thanked the Iraqi side for his cooperation making available all the personnel who were required for the discussion for the special warheads
2	UNSCOM-212	6/12/97-15/12/97	12	8	Inspection	- Thanking the Iraqi side for its cooperation in facilitating the team's mission

Ser.	Team	Period	No. of Inspectors	No. of visited sites	Teams Mission	Notes
3	UNSCOM-215	5/1/98-17/1/98	11	10	Inspection	* Joining with UN-227 on 12/1/98 - Thanking the Iraqi side for its cooperation in facilitating the team's mission.
4	UNSCOM-213	9/1/98-15/1/98	10	-	Discussion	The interviews results improved our understanding of the programme (Ricin) and we appreciate your cooperation in providing a group of personnel involved including two ministers, we also appreciate very much your patience for raising the subject again. The mission was very successful since it reduced the differences in opinions concerning the Ricin.

Ser.	Team	Period	No. of Inspectors	No. of visited sites	Teams Mission	Notes
5	UNSCOM-222	17/1/98-29/1/98	8	9	Inspection	- Thanking the Iraqi minders for their cooperation and NMD for facilitating the teams mission to get to the sites required to be inspected.
6	UNSCOM-223	30/1/98-13/2/98	10	18	Inspection	- Thanking the Iraqi side for its cooperation in facilitating the team's mission.
7	UNSCOM-225	14/3/98-25/3/98	9	13	Inspection	- Thanking the Iraqi side and especially NMD minders and the people in the visited sites for their cooperation in facilitating the team's mission.

Ser.	Team	Period	No. of Inspectors	No. of visited sites	Teams Mission	Notes
8	UNSCOM-224	19/4/98-2/5/98	11	-	Inspections	The team started its mission on 20/4/1998.
Total	8		78	58		

Chemical Activity

Ser.	Team	Period	No. of Inspectors	No. of visited sites	Teams Mission	Notes
1.	UNSCOM-196	29/9/97-8/10/97	4	4	Equipment destruction	- Thanking the Iraqi side for its cooperation and the chief inspector submitted the destruction certificates concerning the destroyed equipment. The chief inspector clarified also that all destroyed equipment belong to Iraq.
2.	UNSCOM-211	18/10 - 23/10/97	7	-	Discussion, Interviews and verification	- The chief inspector thanked the Iraqi side for bringing all the concerned personnel required in the discussion of the special warheads
3.	UNSCOM-219	16/12/97 - 21/12/97	8	3	Inspection and verifying the declarations	- The team worked for three days during which it visited Al-Muthana site and an agricultural area near Al-Sadeeq airport fence. Then the chief inspector and his assistants left the country and the remaining group joined Scott Ritter's team

Ser.	Team	Period	No. of Inspectors	No. of visited sites	Teams Mission	Notes
4.	UNSCOM-221	4/2/98 - 10/2/98	5	7	Inspection	- The chief inspector thanked the Iraqi side for its cooperation and confirmed that the mission obtained new samples better than the old ones. He clarified also that the TEM group asked him to provide them with samples to enhance the Iraqi declarations.
5.	UNSCOM-229	14/3/98 - 20/3/98	10	3	Taking samples and inventorying in addition to checking destroyed materials	- The mission completed its task of the team was to take samples from the munition 155mm.
6.	UNSCOM-238	9/4/98-15/4/98	19	1	Discussing the material balance of chemical munitions	- Thanking the Iraqi side for his cooperation and the chief inspector said that he obtained good results concerning the accounting of munitions and the receipt of documents from Huttan State Est. will help in solving the problem concerning the empty munitions 155mm.
Total	6		53	18		

Missile Activity

Ser.	Team	Period	No. of Inspectors	No. of visited sites	Teams Mission	Notes
1	UNSCOM-207	26/9/97 - 2/10/97	20	13	Sensitive site inspection	
2	UNSCOM-208	26/9/97 - 4/10/97	20	11	Inspection	- The chief inspector appreciated highly the Iraqi support, in spite of the intrusive inspection implemented by the team but they did not find anything that contradicts Iraqi obligations under SCRs.
3	UNSCOM-211	18/10/97 - 23/10/97	12	-	Discussion, Interviews and verification	- The chief inspector thanked the Iraqi side for ensuring the presence concerned persons required in the discussion of the special warheads

Ser.	Team	Period	No. of Inspectors	No. of visited sites	Teams Mission	Notes
4	UNSCOM-220	10/12/97 - 19/12/97	6	12	Checking the tagged equipment and monitored by cameras equipment that have been evacuated	- The chief inspector thanked the Iraqi side for its cooperation and transparency and he confirmed that evacuation process was implemented to reserve the equipment and those equipment were not operated outside their original sites.
5	MG-15 A	10/12/97 - 21/12/97	8	14	Checking the tags of the aerial defence missile and ground to ground missiles	- The chief inspector thanked the Iraqi side for its cooperation in ensuring all the logistic requirements and for preparing the missiles. He confirmed also that he did not find any indication for converting the missile.
6	UNSCOM-218	18/12/97 - 22/12/97	9	17	Inspecting sites uncovered by monitoring	- The chief inspector thanked the Iraqi side for its cooperation that he appreciated the immediate entry to the inspected side and the improvements of the sensitive site inspection modalities.

Ser.	Team	Period	No. of Inspectors	No. of visited sites	Teams Mission	Notes
7	MG-15B	27/12/97 - 1/1/98	5	6	Supporting MG-15 regarding the static and free tests for Al Somood Missile	- The chief inspector thanked the Iraqi side for its cooperation and transparency in presenting all matters concerning the monitoring process in general.
8	UNSCOM-227	11/1/98 - 17/1/98	16	8	Inspecting sites uncovered by monitoring	- The mission of the team was halted after the first day on 12/1/98 due to the unbalanced composition of the team
9	MG-15 C	12/1/98 - 21/1/98	4	1	Classifying and inventorying the excavated parts of missiles assembled in project 144/2	- The chief inspector thanked the Iraqi side for its cooperation in identifying the types of the warheads through the excavated remnants

Ser.	Team	Period	No. of Inspectors	No. of visited sites	Teams Mission	Notes
10	UNSCOM-227	5/3/98 - 12/3/98	50	44	Inspection	- The same team, which was halted on 12/1/1998 due to the unbalanced composition of inspectors, returned with the same number UN-227 and with a new mission. - The chief inspector of the team stated at the end of the mission that :- A. The team implemented its mission and that Butler who was observing the work was happy with what was implemented and he appreciated the Iraqi support. B. The Iraqi side has implemented its obligations in para 3 and 5 of the memorandum of understanding between Iraq and the Secretary General. C. He confirmed the necessity of continuing the cooperation spirit between Iraq and UNSCOM.

Ser.	Team	Period	No. of Inspectors	No. of visited sites	Teams Mission	Notes
11	UNSCOM-240	9/3/98 - 12/4/98	20	2	Surveying the special and conventional warheads destruction sites, excavating and inventorying the parts	- The chief inspector thanked the Iraqi side for its cooperation in preparing all the requirements. - The survey and the joint excavation with the Iraqi side for the special warheads destruction areas at Al-Niba'ae was completed but the survey and the joint excavation for the conventional warheads destruction imported or locally manufactured, was not complete due to an order from New York.
12	UNSCOM-228	14/3/98 - 22/3/98	26	8	Inspection	- The chief inspector thanked the Iraqi side for its cooperation and transparency through the work of the team in spite of the intrusive way of inspection. They stated also that the team did not find anything that contradicts with the Iraqi declarations.

Ser.	Team	Period	No. of Inspectors	No. of visited sites	Teams Mission	Notes
13	UNSCOM-241	22/3/98 - 30/3/98	14	5	Inspection and discussion	
14	UNSCOM-240 A	19/4/98 - 24/4/98	3	-		
Total	14		213	141		- The work of team started on 20/4/1998

Total number of teams, inspectors and inspections for all activities except the nuclear for the period
from 1/10/1997 to 20/4/1998

No. of teams	No. of inspectors	No. of inspections
28	344	217

**Information concerning the monitoring groups which
implemented certain activities inside Iraq for the
period from 1/10/1997 to 20/4/1998**

Missile Activity

No.	Group	Period	No. of inspectors	No. of inspections
1.	MG-14	1/10/97-14/10/97	7	21
2.	MG-15	15/10/97-13/1/98	8	123
3.	MG-16	14/1/98-15/4/98	7	190
4.	MG-17	16/4/98-Up to now	6	7
Total	4		28	341

Chemical Activity

No.	Group	Period	No. of inspectors	No. of inspections
1.	CG-11	1/10/97-13/10/97	12	31
2.	CG-12	14/10/97-29/1/98	17	151
3.	CG-13	29/1/98-14/4/98	11	65
4.	CG-14	15/4/98-Up to now	10	11
Total	4		50	258

Biological Activity

No.	Group	Period	No. of inspectors	No. of inspections
1.	BG-10	1/10/97-13/10/97	6	17
2.	BG-11	14/10/97-13/11/97	6	42
3.	BG-12	14/11/97-5/1/98	8	45
4.	BG-13	6/1/98-3/2/98	9	37
5.	BG-14	4/2/98-4/4/98	12	91
6.	BG-15	5/4/98-Up to now	8	20
Total	6		49	252

Nuclear Activity

No.	Group	Period	No. of inspectors	No. of inspections
1.	NMG-56	1/10/97-12/10/97	7	21
2.	NMG-57	13/10/97-30/10/97	5	16
3.	NMG-58	1/11/97-25/11/97	2	9
4.	NMG-59	26/11/97-4/12/97	18	48
5.	NMG-60	5/12/97-21/12/97	9	26
6.	NMG-61	22/12/97-5/1/98	2	13
7.	NMG-62	6/1/98-26/1/98	4	20
8.	NMG-63	27/1/98-13/2/98	5	22
9.	NMG-64	14/2/98-12/3/98	7	26
10.	NMG-65	13/3/98-2/4/98	7	36
11.	NMG-66	3/4/98-Up to now	4	15
Total	11		70	252

Export/Import Activity

No.	Group	Period	No. of inspectors	No. of inspections
1.	EG-7	1/10/97-5/10/97	2	8
2.	EG-8	6/10/97-14/1/98	3	80
3.	EG-9	15/1/98-15/3/98	4	53
4.	EG-10	16/3/98-Up to now	4	31
Total	4		13	172

CSCI Activity

No.	Group	Period	No. of inspectors	No. of inspections
1.	CSCI-1	16/10/97-31/12/97	4	44
2.	CSCI-2	13/4/98-UP to now	5	43
Total	2		9	87

Total number of monitoring groups, inspectors and inspections
for all activities except the nuclear for the period
from 1/10/1997 to 31/4/1998

No. of monitoring groups	No. of inspectors	No. of inspections
20	149	1110

Annex B

The Technical Evaluation Meetings (TEM) during the reporting period

No.	The team name	The period	Venue	No. of participating experts	Subject
1.	UNSCOM - TEM Missile	1/2/1998 to 6/2/1998	Baghdad	UNSCOM = 19 The Iraqi side = 22	Special warheads
2.	UNSCOM - TEM Chemical	2/2/1998 to 6/2/1998	Baghdad	UNSCOM = 18 The Iraqi side = 25	Vx
3	UNSCOM - TEM Biology	19/3/1998 to 27/3/1998	Vienna	UNSCOM = 29 The Iraqi side = 10	Biology

Annex C

A list of weapons , materials and destroyed equipment's from 1991 to 1997 .

THE BIOLOGICAL PROGRAMME

Contents:

1. Table - 1 : The Destruction of Items Related to the Biological Programme by the Iraqi side in 1991
2. Table - 2 : The destruction of Items Related to the Biological Programme Under the Supervision of UNSCOM in 1996

TABLE - 1
The Destruction of Items Related to the Biological
Programme by the Iraqi side in 1991.

Ser. no.	Item Description	Qty.	Notes
1	Aerial bomb (R-400)	157	Filled with agents A,B,C. (verified by UNSCOM teams) - UNSCOM 126 Oct. 1995 - UNSCOM 157 Sep. 1996 - UNSCOM 173 Feb. 1997 - UNSCOM 187 May 1997
2	Al-Hussain warhead	25	Filled with agents A,B,C. (verified by UNSCOM teams) - BG-2 Aug. 1995 - UNSCOM 125 Aug. 1995 - UNSCOM 126 Oct. 1995 - UNSCOM 167 Dec. 1996
3	Mobile tanks	46	Empty tanks. (verified by UNSCOM teams) - BG-2 Aug. 1995 - BG-3 Nov 1995
4	Biological agents.	12.8 m ³	7.5 m ³ agent (A) 3.4 m ³ agent (B) 0.6 m ³ agent (C) 0.3 m ³ agent (G)
5	Culture media	un-counted	Different types of culture media (verified by UNSCOM teams) - BG-2 Aug. 1995 - UNSCOM 125 Aug. 1995
6	Glass wear	un-counted	Different types of glass wear. (verified by UNSCOM teams) - BG-2 Aug. 1995 - UNSCOM 125 Aug. 1995
7	Bacterial isolates	un-counted	Different types of bacterial isolates. (verified by UNSCOM teams) - BG-2 Aug. 1995 - UNSCOM 125 Aug. 1995
8	Empty Munition		Different types of empty munition, ALD 500 (2), LD250 (3), 122 mm (1), 155 mm (1), R400 (6+7 tails), verified by UNSCOM teams. - BG-3 Dec. 1995 - UNSCOM 127 Dec. 1996

TABLE-2

**The Destruction of Items Related to the Biological
Programme Under the Supervision of UNSCOM in June 1996**

Al - Hakam Site

Ser. no.	Item Description	Qty.	Notes
1.	Spectrophotometer	3	The destruction was carried out under the supervision of UNSCOM 134 from 18/5/1996 to 19/6/1996 and the destruction process was evaluated by UNSCOM 151 from 11/6/1996 to 13/6/1996.
2.	Oven	4	
3.	Microscope	3	
4.	Incubator	4	
5.	Phase - contra wilozyt Microscope	1	
6.	Perstatic Pump	2	
7.	PH-meter	3	
8.	Stirrer	1	
9.	Balance	3	
10.	Shaker Orbital	2	
11.	Centrifuge	5	
12.	Spray dryer	3	
13.	St. St. tank (400 L)	2	
14.	St. St. tank (100 L)	1	
15.	Storage tank (200L)	1	
16.	Harvest tank (600L)	1	
17.	Harvest tank (100L)	1	
18.	Fermenter (450L) with accessories.	1	
19.	Fermenter (100L)	1	
20.	Fermenter (150L)	2	
21.	Tank (520 L)	1	
22.	Autoclave	4	
23.	Steam generator.	6	
24.	Chiller	6	
25.	Heavy duty pump	1	
26.	St. St. Tank(5 m ³)	4	
27.	Fermenter (1850 L)	2	
28.	Fermenter (340 L)	1	
29.	Mixer (780 L)	2	

30.	Air dryer	3	
31.	Air compressor	5	
32.	Water distiller	1	
33.	water Pump	11	
34.	Panel control	2	
35.	St. St. tank for distilled water (5000 L)	1	
36.	Deionized water unit with accessory.	2	
37.	St. St. tank for steam generator	1	
38.	Cooling tower	4	
39.	Drum Dryer	1	
40.	Cold room	3	
41.	Gas oil tank mobile	1	
42.	Gas oil tank - static	2	
43.	Gas oil pump	2	
44.	Fiber glass tank	1	
45.	Water bath	1	
46.	Vibro fix	2	
47.	Bacteriological cabinet	1	
48.	Soil dryer	1	
49.	Sea sealing machine	2	
50.	Harvesting tank (600L)	1	
51.	Collecting tank (500L)	1	
52.	Continuous centrifuge	6	
53.	St. St. tank (400L)	2	
54.	Milling machine	1	
55.	Benterite mixer	1	
56.	Anaerobic incubator	5	
57.	Anaerobic cabinet	1	
58.	Chiller	2	
59.	Centrifuge	1	
60.	Oven	7	
61.	Microscope	3	
62.	Air sampler	5	
63.	Vibrofix	4	
64.	Water bath	5	
65.	Fraction collector	1	
66.	Peristatic pump	2	
67.	Colony counter	3	
68.	UV detector	1	

69.	PH probe	1	
70.	Water pump	1	
71.	Loop sterilizer	3	
72.	Sonicator	1	
73.	PH meter	2	
74.	Incubator	8	
75.	Lyophilizer	5	
76.	Vacuum pump	4	
77.	Balance	7	
78.	Autoclave	4	
79.	Shaker incubator	6	
80.	Spectro photometer	2	
81.	Lab. Fermenter with accessories	3	
82.	Centrifuge	2	
83.	Continuous centrifuge	3	
84.	Motor	4	
85.	Water distiller	2	
86.	Sealing machine	2	
87.	Deep freezer	2	
88.	Laminar flow	1	
89.	Refrigerator	12	
90.	Freezer	3	
91.	Spare parts for different equipment at all sites.		
92.	Flour filling machine	1	
93.	Desicator	1	
94.	Glass ware	uncounted	
95.	Egg incubator	2	
96.	Kjeldhal apparatus	1	
97.	Magnifier	1	
98.	Developer	1	
99.	Cooling bath	1	
100.	Slide projector	1	
101.	Test tube shaker	1	
102.	Flat shaker	1	
103.	Cooling plate	1	
104.	Flask air dryer	1	
105.	Pasteurization unit	1	
106.	Carbon steel tank	1	
107.	Carbon steel tank (100L)	1	
108.	Vibrator	1	

109.	Rotatring pump	1	
110.	Tank (65L)	2	
111.	Tank (166L)	1	
112.	Autoclave	1	
113.	Tank (400L)	2	
114.	Double jackated tank (400L)	1	
115.	Double jackated tank (300L)	1	
116.	Mobile tank (100L) with stirrer	1	
117.	Collecting tank	1	
118.	Incinerator	1	
119.	Cooling tower	2	
120.	pump	22	
121.	Dryer	1	
122.	Incubator	1	
123.	Filter	7	
124.	St. St. tank (differer t size)	21	
125.	Pressur gauges	28	
126.	Split unit	14	
127.	Chiller	1	
128.	Spare parts	---	
129.	Continous centrifuge	1	
130.	Base unit for fermenter	3	
131.	Glove box	1	
132.	Water distiller	1	
133.	Steam generator	1	
134.	Fermenter (1500L) with accessories	1	
135.	St. St. tank (1500L)	1	
136.	Fermenter (300L)	1	
137.	St. St. tank (20L)	3	
138.	Fermenter (4500L)	2	
139.	St. St. tank (200L)	6	
140.	St. St. tank (2500L)	5	
141.	St. St. tank (3500 L)	1	
142.	St. St. tank (1000 L)	1	
143.	Centrifuge	1	
144.	Spray dryer	1	
145.	Control bord for fermenter (300L)	1	
146.	Control bord for fermenter (4500L)	2	

147.	Control bord for PH + PO2	3	
148.	Control bord for Tanks (2500L)	1	
149.	Control bord for spray dryer	1	
150.	Tank (50L) with mixer St. St.	1	
151.	Control bord for centrifuge	1	
152.	St. St. tank (400L)	1	
153.	St. St. tank (500L)	1	
154.	St. St. tank (1500L)	1	
155.	St. St. tank (2200L)	2	
156.	St. St. tank 10 m3	1	
157.	Fermenter (75L)	1	
158.	Control bord for fermenter (75L)	1	
159.	Tank (600L)	1	
160.	fermenter (300L)	1	
161.	Control bord for fermenter (300L)	1	
162.	Tank (520L)	1	
163.	Centrifuge	1	
164.	Spray drayer	1	
165.	Autoclave	1	
166.	Oven	1	
167.	Steam generator	3	
168.	St. ST. tank 50 m ³	1	
169.	Fuel tanks	uncounted	
170.	PVC &st.st. pipes with different fittings	uncounted	
171.	Electrical stations equipment	uncounted	
172.	Diesel generators	16	
173.	Sanitary & Constructions materials	uncounted	
174.	Electrical & mechanical tools	uncounted	
175.	Lab. furnitures	uncounted	
176.	Cartoons & plastic boxes	uncounted	
177.	Air Conditioning units	uncounted	
178.	Raw materials for biopesticide and SCP production	uncounted	
179.	Different types & quantities of culture media & chemicals	uncounted	

180.	Thousands of scientific books & periodicals	uncounted	
181.	Administrative & Financials documents	uncounted	
182.	Bacterial isolates used in biopesticide, fertilizer, SCP and organic solvents production	uncounted	
183.	Shed A1	1	
184.	Shed A2	1	
185.	Desel generator Building	1	
186.	Store building	1	
187.	Administration building	1	
188.	Evaluation building	1	
189.	Incinerator building	1	
190.	Research & Development building	1	
191.	Vehicles, maintenance & petroleum station building	1	
192.	Water station building	1	
193.	Electricity building	1	
194.	50 m3 building for SCP production	1	
195.	Main stores building	1	
196.	Drum dryer building	1	
197.	Alcohol stores	1	
198.	5 m3 building for pesticide production	1	
199.	Sanitary and construction material stores	1	
200.	Electrical materials stores	1	
201.	Automobile Parking Area	1	
202.	Coravans for stores and Financial administration	1	

Notes:-

- A very large number of the destroyed equipment and materials was not used in the past program or imported for the program purposes, and it is worth mentioning that some of those items arrived at Al-Hakam site after 1993, i.e. 5 cubic meters system for organic pesticides production and the 50 cubic meters system for SCP production. In addition, all spare parts and production raw materials related to the said systems were also destroyed. Moreover, Al-Hakam site buildings were totally destroyed including that which was established after 1992.

- All Al-Hakam site buildings were totally destroyed using high explosives and even the remaining buildings structure were collected and re-destroyed by explosives.
- All equipment, instruments and tools were destroyed by cutting, exploding or passing Bulldozer over them, and after destruction the items were collected in a large pit and covered with a thick layer of cement.
- All scientific books and periodicals were collected in a large pit and burnt.
- All culture media and chemicals were destroyed by water and then buried.

Al-Salman Site

Ser. no.	Item Description	Qty.	Notes
1.	Oven	3	The destruction was carried out under the supervision of UNSCOM 134 from 18/5/1996 to 19/6/1996 and the destruction process was evaluated by UNSCOM 151 from 11/6/1996 to 13/6/1996.
2.	Oven with UV	3	
3.	Sterilization room	1	
4.	Cages for animals	69	
5.	Plastic bottles	264	
6.	Plastic gauges	8	
7.	Cover	27	
8.	Part of phase contrast microscope	1	
9.	Beck type centrifuge	2	
10.	Surface tension measuring equipment	2	
11.	Atomic absorption	1	
12.	Water bath	1	
13.	Centrifuge	2	
14.	Lyophilizer accessories	3	
15.	Deep freezer		
16.	Voltage (regulator)		
17.	Base unit for fermenter	1	
18.	Air filter	2	
19.	Parts of lab. equipment		

AL-Fudaylia Site

Ser. no.	Item Description	Qty.	Notes
1.	Enviromental chamber	4	The destruction was conducted under the supervision of UNSCOM 134 for the period from 18/5/1996 to 19/6/1996 and the destruction process was evaluated by UNSCOM 151 for the period from 11/6/1996 to 13/6/1996 .
2.	Fume hood	1	
3.	Incubation oven	1	

FMD Site

Ser. no.	Item Description	Qty.	Notes
1.	Fermenter (2600 L)	1	The destruction was carried out under the supervision of UNSCOM 134 from 18/5/1996 to 19/6/1996 and the destruction process was evaluated by UNSCOM 151 from 11/6/1996 to 13/6/1996 .
2.	Fermenter (1425 L)	1	
3.	Fermenter (2100 L)	2	
4.	Fermenter (2950 L)	2	
5.	Central cu	8	
6.	Double Jacketeal tank	1	
7.	Fermenter (141 L)	1	
8.	Centrifuge	1	
9.	Incubater	1	
10.	Water bath	1	
11.	Microscope	1	
12.	Refrigeratar	1	
13.	Freezer	1	
14.	Stirring motor	5	
15.	Autoclave	1	
16.	Mobile tank (125 L)	1	
17.	Mobile tank (2550 L)	1	

Notes:-

180 ventilation pipes of FMD site were closed by covering them with a layer of cement.

THE MISSILE PROGRAMME

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1. Table -1: The Destruction of Items Related to the Missile Programme by the Iraqi side in summer 1991
2. Table - 2 : The Destruction of Items Related to the Missile Programme by Air Raids during the War 1991.
3. Table - 3 : The Destruction of Items Related to Missile Programme under the Supervision of the UNSCOM since 1991.

TABLE-1

**The Destruction of Items Related to the Missile
Programme by the Iraqi side in Summer 1991**

Ser no.	Item Description	Qty.	Notes
1	Horizontal testing vehicle , model (2B11 M)	2	
2	Independent testing vehicle , model (9B41 M)	2	
3	Horizontal testing vehicle , model	2	
4	The oxidizer refilling vehicle , model (9T30)	14	
5	The fuel refuelling vehicle , model (9T29)	4	
6	Missile transporting vehicle , model (2T3)	16	7 of which were destroyed at Al-Mahaweel, 8 were destroyed at Al-Saadia and one at Al-Nibbae and the remnants were transported to Al-Taji project (144) , and the remnants of 9 vehicles had been verified by inspection team UNSCOM (34)
7	Small vehicle for missiles transport among stores and work shops , mode 2T5)	9	8 of which were destroyed at Al-Nibbae and one at Al-Taji.
8	Iraqi made decoy launcher	5	
9	Iraqi made testing and launching vehicle	4	The remnants had been verified by UNSCOM - 34 inspection team
10	Spare parts of transporting vehicle , model (2W1M)	1	
11	Scud and Al-Hussain missiles	85	The remnants had been transported to project (144) at the request of UNSCOM-31 inspection team and had been verified by UNSCOM -34
12	Training Scud Engine	3	Ditto
13	Sectional scud engine	2	Ditto
14	Nozzles for Scud engine (mock-up)	3	Ditto
15	Gyroscope (10)	107	Ditto

16	Gyroscope (9)	110	Ditto
17	Gyroscope (12)	98	Ditto
18	Scud and Al-Hussain warheads	133	of which (45) warheads were modified for chemical warheads. All warheads were verified by UNSCOM teams 31, 34 and chemical and biological inspections teams.
19	Fuel tank for Al-Hussain Missile	83	
20	Oxidizer tank for Al-Hussain missile	52	
21	Warheads for Al-Hussain missile (empty)	76	
22	Engine cover tail for Al-Hussain missile	50	
23	Fins for Al-Hussain missile	80	
24	Parts manufactured and semimanufactured (imported)	used in ring (200) sets for the item 1,2,3, & 4 above	
25	Parts manufactured locally for the items 1,2,3,4 & 5 above	Ditto	
26	Dyes and tools	approx (100)	
27	Imported parts for arming & safety fuze for Al-Hussain missile	used in ring (200) sets	
28	Torus air bottle (imported)	74	
29	Fuel and oxidizer shut off valves for Al-Hussain missile, and its disassembled parts	250 sets	Verified by UNSCOM -34
30	Primary fuel tanks	70	
31	Steel structure for Al-Waleed Launcher	8 pcs	
32	Cabin equipment for test and firing vehicles	4 pcs	
33	Instruments and electrical	10 set	

	parts for test & firing vechiles		
34	Moulds and fixtures for rubber parts	31	
35	Fixtures and tools for welding	9	
36	Fixtures placed on dollies to transport the BADR/2000 motor	8	
37	Decoy for BADR/2000	1	
38	Turbopump unit (imported)	35	
39	Fuel and oxidizer injectors (imported)	Hundreds of thousands	
40	Flexible pipes (different) types (imported)	Hundreds of each	
41	Turbine wheel (imported)	about 1200	
42	Casting and forging parts (imported)	Hundreds	
43	Shaft of turbopump unit (imported)	Hundreds	
44	Explosive charges with its plugs (imported)	Thousands	
45	Reducer valves (imported)	Hundreds	
46	Standard parts	Thousands	
47	Dyes (imported)	About 20	
48	Hydrazine fuel (imported)	10 ton	
49	Pipes with its connections (local attempts)	50 of each type	
50	Metal rings different sizes (local attempts)	10 of each type	
51	Parts of gas generator (local attempts)	50 of each part	
52	parts of heat exchanger (local attempts)	50 of each part	
53	Inner and outer shells for combustion chamber and nozzles (local attempts)	Tens of rejected samples	Local attmpts failed due to the lack of experience in flow forming technology. Many foreign companies refused or were unable to provide such technology.
36	Corrugated rings (local attempts)	Tens of rejected samples	Unsuccessful attempts to get the exact shape because of

			many technical difficulties , deformation and tearing of the sheet metals.
37	Precise parts of valves (local attempts)	Tens of rejected samples	These samples were rejected because they fell short of the requirement of high accuracy.
38	Electrical and mechanical parts used in gyro manufacturing (imported)	Ten thousand	Used in manufacturing about 800 sets. Important parts didn't arrive to Iraq.
39	Invertor (imported)	2	
40	Barometric relay unit (sam-assembled) and individual parts (imported)	Many thousands	Used in manufacturing about 1000 units
41	Ampoule battery (imported)	25	
42	Moulds for plastic metallic parts (imported)	50	
43	Different electrical & electronical parts cables, relays, connectors (imported)	Ten thousand	
44	Gyroscope (imported)	Two sets	They were rejected because of insufficient experience and some imported parts were not received.
45	Computer (analog e) (local manufacturing attempts)	5	
46	Timer (local manufacturing attempts)	6	
47	Junction box (local manufacturing attempts)	4	
48	Emergency destruction system (local manufacturing attempts)	5	
49	Barometric relay unit (local manufacturing attempts)	5	
50	Harness (local manufacturing attempts)	6	
51	Firing cables (local manufacturing attempts)	8	
52	On board switch	9	
53	Different mechanical parts used for gyro manufacturing	Tens	Rejected because of insufficient experience and

	(local manufacturing attempts) required		the required machines were not completely received.
54	Longitudinal acceleration integrating gyro	20	All prototypes were not completely assembled.
55	Combat launchers type (9n117M)	4	- Two chassis in Basmaya - Two chassis , arm rotating base in Al-Mansoriya - Three arms and three rotating bases in Al-Nibbae. The debris had been seen by UNSCOM -34.
56	Iraqi combat launchers (Al-Nida)	4	The debris had been seen by UNSCOM -34.
57	Training launcher type (9n117M)	1	The launcher was dismantled in order to use some parts in reverse engineering. - The arm and the base were destroyed in Al-Nibbae, the chassis and the cabinet were destroyed in Falluja (Al-Haswa) and Basmaya respectively. The debris had been seen by UNSCOM-34.

TABLE - 2

**The Destruction of Items Related to the Missile
Programme by Air Raids during the War 1991.**

Ser no.	Item Description	Qty.	Notes
1.	Different welding machine	22	These equipment and materials, in addition to the buildings of the project, were destroyed by the air raids during the war. Those destroyed items had been verified by the UNSCOM inspection teams.
2.	Electric welding machine	1	
3.	Automatic spot welding machine	1	
4.	Circular welding machine	1	
5.	Auto-circular welding machine	1	
6.	Electrical-arch welding machine	2	
7.	Plasma cutting machine	1	
8.	Bending machine	2	
9.	Vertical drilling machine	2	
10.	Rolling machine	1	
11.	Radial drilling machine	2	
12.	Cutting machine	2	
13.	Alignment test equipment	4	
14.	riveting press 5 ton	1	
15.	Different tools, dies and fixtures	Tens	
16.	Fuel and oxidizer tanks and warheads	Tens	
17.	Plastic and metal parts for fuses	Hundreds	
18.	Different parts for the project activity	Thousands	
19.	Different raw materials	Many tons	
20.	General warehouse for hydraulic materials.	all building & contents	100% Destroyed

21.	Electrical workshop	all building & contents	100% Destroyed
22.	Mechanical workshop	all building & contents	100% Destroyed
23.	Assembly workshop	all building & contents	100% Destroyed
24.	Testing and firing vehicle	1	100% Destroyed
25.	System of supplying primary fuel and compressed air	20	not completely destroyed
26.	Hydraulic pumps	18	not completely destroyed
27.	Testing and electric system	1	100% Destroyed
28.	Universal lathe machine	10	320 - 2500 mm
29.	CNC lathe machine	2	250/270 mm
30.	Universal milling machine	4	400 X 650 mm
31.	CNC milling machine	3	300 X 600 mm
32.	Universal grinding machine	5	150 X 500 mm
33.	Drilling machine	3	
34.	Hydraulic testing stand	1	
35.	Training unit for Hydraulic system	1	
36.	Welding machine	2	
37.	Pipe bending machine	3	
38.	Guillotine shear cutting machine	1	12/3000 mm
39.	Bending machine	2	6/2500 mm
40.	Universal shear cutting machine	1	250/10 mm
41.	ARC welding machine	3	400 Amp.
42.	Vertical drilling machine	2	
43.	Flame cutting machine	1	2000/4000 mm
44.	ARC welding machine	6	400 Amp.
45.	Spot welding machine	1	3 mm
46.	Vertical drilling machine		
47.	D.C. Generator	2	24 Volt.
48.	Ohmmeter	3	
49.	Oscilloscope	3	
50.	Building 141 (BELAT AL-SHUHADA)	1	
51.	Two furnaces in building 141	2	
52.	Thermal insulation equipment in building 141	1	

53.	Balances, measuring equipment and different kinds of tools in building 141	1	
54.	Building 146	1	
55.	Air-conditioning and utility equipment for building 146	5 pcs	
56.	Building 147	1	
57.	Weight and control equipment for building 147	2	
58.	Building 151	1	
59.	Air-Conditioning and utility equipment for building 151	3	
60.	Building 153	1	
61.	Air-conditioning and utility equipment for building 153	5	
62.	A(30)gallons mixer with its accessories in building 153	1	
63.	Building 155	1	
64.	A(300)gallons mixer with its accessories in building 155	1	
65.	Air-conditioning and utility equipment in building 155	4	
66.	Air-conditioning and utility equipment in building 156	1	
67.	Building 162	1	
68.	Air-conditioning and utility equipment in building 162	5	
69.	building 142	1	
70.	building 171	1	
71.	Assembly, measuring and control equipment in building 171	2 pcs	
72.	Air-conditioning and utility equipment in building 171	5	
73.	Building 172	1	
74.	Test, measuring and control equipment in building 172	1	
75.	Air-conditioning and utility equipment in building 172	3	
76.	Building 173	1	
77.	Building 191	1	
78.	Air-conditioning and utility	3	

	equipment in building 191		
79.	Cleaning and drying equipment in building 191	4 pcs	
80.	Building 192	1	
81.	Control equipment and water pump with its accessories in building 192	2	
82.	Store No.115 with a quantity of raw materials	1	
83.	Building 163	1	
84.	Building 164	1	
85.	Building 165	1	
86.	Mechanical workshop, building 61	1	
87.	Restaurant building (11)	1	
88.	Main utility Building which include electrical station, boilers, diesel generators, and water chillers in building (72)	15 pcs	
89.	Electric sub-station, building (73)	1	
90.	Electrical and mechanical external networks	1	
91.	C.N.C. machine	1	
92.	Milling machine	1	
93.	Rolling machine	1	
94.	Radial welding machine	1	
95.	Circular and radial welding fixture	1	
96.	Assembly welding fixture	1	
97.	Radial drilling machine	1	
98.	Band saw	1	
99.	Aging oven	1	
100.	Alignment test stand	1	
101.	Overhead crane	1	
102.	Turning machines	5	
103.	Drying furnaces	2	
104.	Curing furnaces	2	
105.	Three dimensions test machine /DEA	1	
106.	Workshop 311	1	

107.	Workshop 411	1	
108.	Workshop 412	1	
109.	Restaurant	1	
110.	Stores	3	
111.	Building 532	1	
112.	Building 520	1	
113.	Building 562	1	
114.	Building 560	1	
115.	Building 79	1	
116.	Building 510	1	
117.	Building 511	1	
118.	Building 512	1	
119.	Building 513	1	
120.	Building 514	1	
121.	Building 515	1	
122.	Building 525	1	
123.	Thrust calibration instrument in building 532	15	

TABLE - 3
The Destruction of Items Related to Missile
Programme under the Supervision of the UNSCOM since 1991

Ser. no.	Item Description	Qty.	Notes
1.	Missiles (Al-Hussain)	48	Destroyed by UNSCOM -3
2.	Training Missiles	4	Ditto
3.	Al-Fahad-300	9	Ditto
4.	Al- Hussain warheads	32	Ditto
5.	vehicle for horizontal test	1	Ditto
6.	Independent test vehicle	1	Ditto
7.	Horizontal training vehicle	1	Ditto
8.	Oxidizer filling vehicle	5	Ditto
9.	Fule filling vehicle	4	Ditto
10.	Test and launching vehicle	4	Ditto
11.	Missile carrying vehicle	8	Ditto
12.	Russian Launcher	6	Ditto
13.	Al- Nida'a Launcher	2	Ditto
14.	Al- Waleed Launcher	2	Ditto
15.	Missile container	132	Ditto
16.	Oxidizer tank (filled)	18	Ditto
17.	Main fuel tank (filled)	7	Ditto
18.	Fule tank for ignition (filled)	6	Ditto
19.	Oxidizer tanks (empty)	187	Destroyed by UNSCOM 3 and 18
20.	A Mobile decoyed launcher	4	Ditto
21.	Decoyed missiles	11	Destroyed by UNSCOM 10
22.	Fixed Launchers (at the Western Zone)	28	Destroyed by UNSCOM 18
23.	Fixed Launchers {(for training)(Al- Taji)}	2	Ditto
24.	Launcher for experiment purposes (Tel-Afer)	1	Ditto
25.	Concrete base and civil engineering work (At the Western Zone):	23	Ditto
26.	Decoyed structure for a fixed launcher at the Western Zone.	2	Ditto
27.	Special aluminium container for the special head of Al-	11	Destroyed by UNSCOM -3

	Hussain Missile.		
28.	Conventional warhead for Al- Hussain Missile (structure only)	2	Destroyed by UNSCOM -3
29.	Oxidizer tank	1	Destroyed by UNSCOM -3
30.	Fuel tank	1	Ditto
31.	Nose of half tank and dishes	Tens	Ditto
32.	Aluminium head 122 mm	12000	Ditto
33.	Incompleted steel head 122mm	4000	Ditto
34.	Dye for dishes	1	Ditto
35.	Air cylinder	12	Ditto
36.	Triple holder with part of a transportation trolley	3	It was in gable no. (15) and had been verified by the previous inspection team. Though it was partially destroyed, the inspection team UNSCOM-28 directed that it should be destroyed completely.
37.	Fixtures of destroyed tank for the production line .	2	Ditto
38.	Small parts for sub-systems of the tanks (pieces of connected pipes & other terminations)	tens	Ditto
39.	Fixed launcher arm structure	23 pcs.	During the period from 10 to 15 Aug. 1990
40.	Arm holder	21 pcs.	Ditto
41.	The upper joint hinge for the main hydraulic cylinder	156 pcs.	Ditto
42.	The lower joint hinge for the main hydraulic cylinder	37 pcs.	Ditto
43.	fixed launcher stool	12 pcs.	Ditto
44.	Mobile launcher under construction	1 pcs.	Ditto
45.	Rotating and fire adjustment launching stool for the	9 pcs.	Ditto

	missile		
46.	Concrete base for fixed launcher assembling	9 pcs.	(2) of them in Al-Qaqa'a site, (2) in Al-Dorah site and (5) of them in Al-Nahrawan site.
47.	Fixtures of assembling fixed launchers parts.	2 pcs.	Destroyed by UNSCOM -8
48.	primary experimental fixed launchers. Saddam Base.	1 pcs.	Destroyed by UNSCOM -8
49.	Grain core (mandrel) in bldg. 162	2 pcs.	Ditto
50.	Assembling tools for casting (casting top) in bldg. 162	2 pcs.	Ditto
51.	Tools for shaping the end of the motor (displacement plate) in bldg. 162	2 pcs.	Ditto
52.	Tools for fixing the core from the upper side (casting centering) in bldg. 162	2 pcs.	Ditto
53.	Tools for fixing the core from the lower side (casting centering) in bldg. 162	2 pcs.	Ditto
54.	Cover plate in bldg. 162	2 pcs.	Ditto
55.	A mock-up for Bader (2000) missile	1 pc	Ditto
56.	Dollies for Badr (2000).	4 pcs.	Ditto
57.	Mixer 300 gallon.	2 pcs.	Destroyed by UNSCOM (31 and 34)
58.	Bowl with its covers	3 pcs.	Ditto
59.	Control equipment for mixer 300 gallon in building 154	2 units	Ditto
60.	Casting and curing tank in building 162	2 pcs.	Ditto
61.	Tilting mechanism in building 162	2 pcs.	Ditto
62.	Tilting mechanism with cradle in building 192	1 pc	Ditto
63.	Calender in building 141	1 pc	Ditto
64.	Press 300 ton in building 141	1 pc	Ditto
65.	Degreasing unit in building 141	1 pc	Ditto

66.	Sand blasting unit in building 141	1 pc	Ditto
67.	Tank near building 252	2 pcs.	Ditto
68.	Double cone drier in building 145	1 pc	Ditto
69.	Grinder in building 146	2 pcs.	Ditto
70.	Blade sifter in building 146	1 pc	Ditto
71.	Filter in building 146	1 pc	Ditto
72.	Control unit for drying and grinding in building 146	2 units	Destroyed by UNSCOM (31.34)
73.	Building 141		Ditto
74.	Building 148		Ditto
75.	Building 155		Ditto
76.	Building 156		Ditto
77.	Building 162		Ditto
78.	Building 145		Ditto
79.	Building 146		Ditto
80.	Building 147		Ditto
81.	The second welding positioner (the upper part) seal no. 05298	1 pc	Ditto
82.	The second welding positioner (the lower part) seal no. 05299	1 pc	Ditto
83.	The third welding positioner (the first part) seal no. 05300	1 pc	Ditto
84.	The third welding positioner (the second part) seal no. 05302	1 pc	Ditto
85.	The third welding positioner (the third part) seal no. 05303	1 pc	Ditto
86.	third welding positioner (the fourth part) seal no	1 pc	Ditto
87.	Maraging steel	114 pcs.	Ditto
88.	Computer for DEA machine	1 pc	Ditto
89.	Instrone cooling chamber	1 pc	Ditto
90.	Instrone measurement unit	1 pc	Ditto
91.	Coolers	2 pcs.	Ditto
92.	Dollies	2 pcs.	Ditto
93.	Tig longitudinal welder, seal		Ditto

	no. 05290		
94.	Extruder, seal no. 05294	1 pc	Ditto
95.	Cnc turing lathe seal no. 05306 & 05634	2 pcs.	Ditto
96.	Hydraulic press seal no. 05311	1 pc	Ditto
97.	Longitudinal flange and dome welders	3 pcs.	Ditto
98.	Wrapping machine	3 pcs.	Ditto
99.	Calender	1 pcs.	Ditto
100.	X-Ray gun and accessories seal no. 05635		Destroyed by UNSCOM-31,34
101.	Motor case transport dollies	2 pcs.	Ditto
102.	Aging oven	1 pcs.	Ditto
103.	Sand blasting unit	2 units	Ditto
104.	Shearing machine seal no. 05628	1 pc	
105.	Hydraulic press 1600 ton	1 pc	Ditto
106.	X-Ray machine seal no. 05637	1 pc	Ditto
107.	X-Ray controller seal no. 05638	1 pc	Ditto
108.	X-Ray development machine seal no. 05639 & 05640	2 pcs.	Ditto
109.	Lathe seal no. 05641 & 05642	2 pcs.	Ditto
110.	Hydraustatic test	1 pc	
111.	Measuring bench	1 pc	Ditto
112.	Coolers	2 pcs.	Ditto
113.	Test stand for rocket motors	2 pcs.	Ditto
114.	Electronic equipment for static test	1 unit	Ditto
115.	Cradle for bader (2000)	1 pc	Ditto
116.	Cooling and heating chamber	2 pcs.	
117.	Building 531		Ditto
118.	Building 532		Ditto
119.	Test base no. 2 in Al-Rafah site project 1728	1	Destroyed by UNSCOM-8
120.	Gun(350)mm,complete system in(Hymreen)including the following items:	1	-(5)pipes off(10)m lenght -one breech -(7)slide bearings and all other secondary items such as one projectile left at the

			site. UNSCOM-18 agreed to the manner of destruction and then verified the debris of destruction.
121	Destruction of the materials stored at the General Establishment for Automobile production as follows: - Tubes(350)mm bore dia.and (10)m length - Tubes(1000)mm bore dia.and (5-6)m length - Slide bearings. - Hydraulic recoil cylinders for(1000)mm caliber. - Steel breech for(350)mm caliber. - Brackets for(1000)mm caliber. - Bearing for(350)mm caliber.	6 44 15 4 1 4 1	The team headed by Mr. Patrice visited the site on 6.12.1991 and agreed to the manner of destruction.
122.	All the remaining charges in Al-Qa'qaa Establishment had been destroyed in the presence of Mr.Douglas Englund and his team.		
123.	The remaining (7 slugs had been destroyed during summer of 1991 by the Iraqi side.		
124.	Tracking radar	1	All systems were destroyed under the supervision of UNSCOM (MG-2)
125.	Balancing machine	1	It was destroyed under the supervision of UNSCOM (MG-4) on 23/7/1995
126.	Vacuum Furnace	2	Destroyed under the supervision of UNSCOM(MG-4) on 23/7/1995
127.	Flow forming machine	2	Destroyed under supervision of UNSCOM(MG-4) on 23/7/1995
128.	Meteo-1 (Supersonic	1	The system was dismantled by

	Parachute system)		MG-8 on 25 and 25 of March 1996. The system was then sent to UNSCOM headquarters in New York .
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THE CHEMICAL PROGRAMME

Contents:

1. Table-1: The Destruction by the Iraqi Side of Items Related to the Chemical Programme in 1991.
2. Table-2: The Destruction of Items Related to the Chemical Programme by Air Raids during the War in 1991.
3. Table-3: The Destruction of Items Related to the Chemical Programme under the Supervision of the UNSCOM in 1991
4. Table-4: The Destruction of Items Related to the Chemical Programme under the Supervision of the UNSCOM 1992-1994
5. Table-5: The Destruction of Items Related to the Chemical Programme under the Supervision of the UNSCOM from 1 Sept. - 7 Oct. 1997

TABLE - 1

The Destruction by the Iraqi Side of Items Related to the Chemical Programme in 1991

Ser. no.	Item Description	Qty.	Notes
1	122 mm rocket type akar-30	6000	* Empty
2	122 mm rocket type firoS S25	16500	* Empty
3	122 mm warheads	4500	* Empty
4	Aerial bomb type LD250	2000	* Empty
5	Aerial bomb R-400	530	* Filled with alcohol
6	Al-Hussain warhead	20	* Filled with Alcohol
7	Aerial bombs type 250	125	*
8	Coline	55 tons	*
9	PzSs	170 tons	*
10	MPS	1625 kg	*
11	DFP	2 tons	*
12	Pyrophosphate	3 tons	*
13	Spoilt VX	3170 kg	*

* All the items were verified by UNSCOM-35

TABLE - 2
The Destruction of Items Related to the Chemical Programme by Air Raids during the War in 1991

Ser no.	Item Description	Qty.	Notes
1	Filling station warehouse	7	
2	Production building	6	
3	R & D building	5	
4	Bunkers	4	
5	Mechanical workshop	4	
6	Aerial bomb . workshop	1	
7	Al-Muhammadiat warehouse	35	
8	Library builing	1	
9	Administrative building	2	
10	<u>Falluja/1 site</u> warehouse multipurpose building utilities	4 1 2	
11	<u>Falluja/2 site</u> chlorine plant thionyl plant warehouse multipurpose building	1 1 4 1	
12	<u>Falluja/3 site</u> warehouse multipurpose building utilities	4 1 1	
13	Chemical precursors	1006 ton	
14	<u>Production equipment</u> -Reactors -Distillation Column -Vessel -Scrubber -Compressor -Chiller -Vacumme pump -Heat exchanger -Heating system -Glass Column -Neutralization unit Total	14 19 25 8 8 11 9 2 1 3 2 102	

15	<u>Munitions</u>		
	-120 mm mortar shell filled with CS	20000	
	-120 mm mortar shell empty	24000	
	-82 mm mortar shell filled with CS	107	
	-122 mm rocket empty	29622	
	-122 mm rocket conventional	16050	
	-RPG-7 filled with CS	1400	
	-122 mm rocket filled with nerve agent	2500	
	Total	94179	

TABLE - 3
**The Destruction of Items Related to the Chemical
Programme under the Supervision of the UNSCOM in 1991**

Ser no.	Item Dscription	Qty.	Notes
1.	R-400 Aerial bomb	56	UNSCOM -12 CW4
2.	122 mm Rocket warhead	7253	DITTO
3.	Aerial Bomb LD-250	2439	DITTO
4.	Aerial bomb 750 kg	8	DITTO
5.	Aerial bomb DB-2	27	DITTO
6.	155 mm Artillary shell	1688	DITTO
7.	Aerial bomb LD-500	327	DITTO
8.	Aerial bomb Qaqa 500 kg	4	DITTO
9.	Tail fin, body, noze cone parts 500 kg bomb	403	DITTO

TABLE - 4

**The Destruction of Items Related to the Chemical
Programme under the Supervision of the UNSCOM 1992-1994**

Ser no.	Item Description	Qty.	Notes
1.	122 mm Rocket components (including warheads motors, and propellant)	36063	UNSCOM -38 [CDG]
2.	155 mm Artillery shell filled with mustard	12800	DITTO
3.	155 mm Artillery shell empty	50	DITTO
4.	Al-Hussein warhead filled with GB/GF	16	DITTO
5.	Al-Hussein warhead filled with alcohol	14	DITTO
6.	R-400 aerial bomb	337	DITTO
7.	R-400 Tail fin	804	DITTO
8.	Aerial bomb LD-250 empty	5200	DITTO
9.	Aerial bomb LD-250 filled with mustard	1233	DITTO
10.	Aerial bomb LD-500 filled with mustard	980	DITTO
11.	Aerial bomb type DB-2 empty	1115	DITTO
12.	Aerial bomb type DB-0 empty	61	DITTO
13.	Mustard agent	465154 litter	DITTO
14.	Nerve agent	88360 litter	DITTO
15.	Chemicals precursors	2800000 litter	DITTO
16.	Machines for production of aerial bomb -Plate sheats machine -Roll bending machine	1 1 3	UNSCOM - 39

-Longitudinal submerged arc welding machine	1	
-Horizontal hydraulic press with an expanding mandrel and segment	2	
-Oxy-flame cutting machine	4	
-Robot welding machine	2	
-Circular submerged arc welding machine	2	
-Circular submerged arc welding machine with two welding heads	2	
-Welding positioner machine	3	
-Spot welding machine	1	
-Circular shears machine	2	
-Rotary transfer machine for drilling and tapping	1	
-Small welding positioner clamped on vertical column	3	
-3-units of universal production lathe machine	2	
-CNC turning machine	2	
-Metal band sawing machine	1	
-Ring former machine	2	
-Column drill	2	
-Horizontal hydraulic press with an expanding mandrel and segment	2	
-Spinning lathe forming machine	3	
-3-units of tig welding machine	1	
-Welding positioner device	2	
-2-unit of longitudinal tig-welding machine	1	
-Hydraulic press capacity 10 tons	3	
-3-unit of universal column drill	1	
-Induction brazing solder welding machine	1	
-Profile roll bending machine	2	
-Metal circular sawing machine	1	
	1	

	-Universal rotator table	1	
	-Manual roll banding machine	54	
	-Manual ring former		
	Total		
17	Tools & Molds for item	16	DITTO
18.	Production equipment	52	UNSCOM-38

TABLE - 5
The Destruction of Items Related to the Chemical
Programme under the Supervision of the UNSCOM
from 1 Sept. - 7 Oct. 1997

Ser no.	Item Description	Qty.	Notes
1.	chemical precursors	270 ton	The destruction was carried out under the supervision of UNSCOM 196
2.	production equipment which include reactors, columns, heat exchangers, tanks condensers and vessels.	185	DITTO
3.	glass equipment which include reactors condensers, distillation columns and vessels.	197	DITTO
4.	different analytical instruments.	90	DITTO

THE NUCLEAR PROGRAMME

Contents:

1. Table - 1 : The Destruction of Items Related to the Nuclear Programme by the Iraqi side up to the end of June 1991.
2. Table -2: The Destruction of Items Related to the Nuclear Programme By Air Raids in 1991.
3. Table -3: The destruction of Items Related to the Nuclear Programme during the War.
4. Table -4: The Destruction of Items Related to the Nuclear Programme Under the Supervision of IAEA in 1992.

TABLE-1

**The Destruction of Items Related to the Nuclear
Programme by the Iraqi side up to the end of June 1991**

(Al-Tarmiya site)

Ser. no.	Item Description	Qty.	Notes *
1	Double pole & double coil	12	R 1200, 600 separator and system componens (phase 1 and 2)
2	End pole	6	
3	Vertical return iron supporting the end pole	4	
4	Vacuum chambers	31	
5	Quadruple collectors	8	
6	Quadruple ion sources	7	
7	Double pole supporting carriages	27	
8	Vertical return iron	6	
9	Double pole with no coil	15	
10	Coils	30	
11	Sources	6	
12	Collectors	4	
13	Power supplies for ion sources	36	cabinet containing : - PS1 (10 v, 500 A) - PS3 (400 v, 7 A)
14	Pilot plant recovery of uranium from liners and graphite collectors R-1200	1 6 2	- washing chamber - Leaching tank - Ultrasonic bath

(Al-Tuwaitha site)

Ser no.	Item Description	Qty.	Notes
1	Equipment for project 101	32	different components
2	Equipment for project 105	20	Ditto
3	Equipment for project 106	2	Ditto
4	Equipment for project 102/103	4	Ditto
5	R-100 separators (R-100/1, R100/2, R100/3)	1	4 different components

6	R-50 Separators	1	3 different components
7	Coils for EMIS projects	3	
8	System for measurement of separation factor for diffuser using R12/R114	500	- porous tubes 60 cm long
9	Anodized barriers (600 tube)	600	- Anodized barrier
10	System for preparation of anodized barrier for P301	1	
11	Measurement system for permeability and burst	1	
12	Unit for UF ₆ preparation by direct fluorination	2	- Boat type metal unit
13	UF ₆ cylinders (5A,2S,1S)	16	
14	Experimental rig for UF ₆ purification from HF, N ₂ and R-114	1	UF ₆ purification
15	Pilot reprocessing plant- LAMA	1	21 different components
16	Unit for production of highly enriched uranium	1	8 different components
17	Experimental units for U-metal purification	1	5 different components
18	Unit for preparation of UF ₄ by direct reaction with UO ₂	1	5 different components
19	Plant for production of metallic uranium UF ₄ preparation	1	11 different components
20	Unit for production of nuclear grade UO ₂ purification	1	28 different components

(Dijla Factory)

Ser no.	Item Description	Qty.	Notes *
1	Power supply	6	
2	Power supply for magnet	2	

(Qaqa'a Gen. EST. site)

Ser no.	Item Description	Qty.	Notes *
1	Equipment for vacuum casting (4th stage development)	1	- about 10 molds
2	E.B.W. detonators	100	detonators
3	Mold for pressing of explosives	10	mold
4	Lenses	30	Lens
5	Systems for detonating 4.8.16 detonators	3	

(Rashdiya EDC.)

Ser no.	Item Description	Qty.	Notes *
1	Unit for UF ₄ preparation by wet method	1	Reactor
2	Anodized alumina barrier tube suitable for UF ₆	1	Barrier tube
3	Oil centrifuge	1	10 different components
4	Equipment for projects 360,362,363,364 and 365	3	
5	Unit for UF ₆ preparation by direct fluorination (50 gm/batch)	1	

(Al-Atheer Site)

Ser no.	Item Description	Qty.	Notes *
1	Equipment for device development program	3	
2	Equipment for device development program	100	PVDF sensors

*** Note :-**

All these Buildings were verified by the IAEA inspection teams (1-8) which visited Iraq from 14 May - 18 Nov. 1991

TABLE-2

**The Destruction of Items Related to the Nuclear
Programme By Air Raids in 1991.**

(Building)

Ser. no.	Item Description	Qty.	Notes *
1	Iraqi Atomic Energy Commission		Completley destoryed with all their equipment
	-14 July Reactor building	1	
	- Tamuz-2 Rector building	2	
	- Readioactive wast treatment building	1	
	- Hot cell building	1	Partially destroyed with most their equipment
	- Radio isotope production building	2	
	- Computer building	1	
	- Physical building	1	Completely destroyed with all their equipment
	- Chemical Radiochemical Lads	1	
	- Lazer building	1	
	- Fuel Fabrication building	2	
	- Electromagnetic saprators building	3	
	- Admistration building	2	
	- Mechanical work shopes	2	
	- Cooling Towers	2	
2	Tarimya site		Completely destoryed with all equipment
	- Sapartors buildings	3	
	- Chemical washing buildings	1	
	- Medical center	1	Paritially destroyed
	- Collector preparatu building	2	
	- work shopes	1	
	- water purificaton building		
3	Al-Jazira site		Completely desroyed with all its equipment
	- Uo2 production building & its utilities	2	
	- Ucl4 production building & its utilities	2	
	- Work Shopes	2	

4	Al-Qaim - Yellowcake purification unit	1	All the building & lads with their equipment destroyed Completely
5	Al-Atheer - Testing Bunker - Physical building - Restrant - Power station		

*** Note :-**

All this Buildings was verified by the IAEA inspection teams (1-3) which visited Iraq from 14 May - 19 July 1991

TABLE-3
The Destruction of Items Related to the Nuclear
Programme during the War .

(Tuwaitha site)

Ser. no.	Item Description	Qty.	Notes *
1	control system for projects 104, 105 & 106	1	89 Different Components
2	Equipment for project 101	1	- A field scanning system, consisting of 256 Hall-prodes type KSY-10
3	Equipment for project 106	1	22 Different Components
4	Equipment for project 102/103	1	6 Different Components
5	R-100 separators (R100/1, R 100 /2, R100/3)	1	6 Different Components
6	R-50 separators	1	11 Different Components
7	Power supplies	44	
8	The pilot plant for chemical enrichment	1	27 Different Components
9	Equipment for chemical enrichment programme	3	
10	Chemical enrichment program. Ion exchange separation pilot plant of the uranium isotopes	1	
11	Chemical enrichment program. Ion exchange separation production plant project	1	
12	Co2 Lasers (Iraqi made)	1	Co2 Lasers
13	Experimental apparatus	1	6 Different Components
14	Other laser equipment	1	9 Different Components
15	Tubes for molecular beam	1	
16	X-ray device	1	X-ray device
17	System for denoting 4-detonators	1	Counter (resol. Ins)

(Tuwaitha site)

Ser no.	Item Description	Qty.	Notes *
18	Unit for UF ₄ preparation by using R12 as fluorinating agent	1	Pyrex rotary reactor (May 87-Jan. 91)
19	Unit for UF ₄ preparation by using R12	1	Boat type pyrex unit
20	Unit for UF ₄ preparation by using R12	1	Pyrex rotary reactor dry method
21	Po-210	140 ugm	- Radioactive source
22	Pilot reprocessing plant-LAMA	1	21 Different Components
23	Unit for preparation of polonium 210	1	8 Different Components
24	Pilot plant for production of UCl ₄	1	8 Different Components
25	pilot plant for recovery of uranium from graphite collector of EMIS size R-1000, R-500	1	6 Different Components
26	R&D system for UCl ₄ purification by sublimation on a semi continuous basis	1	4 Different Components
27	system for investigation of UCl ₄ purification by sublimation on a semi continuous basis	1	4 Different Components
28	Sublimation units for project 224	1	24 Different Components
29	system for preparation of UCl ₄ by liquid phase reaction between liquid UCl ₄ and UO ₃	1	8 Different Components

(Tuwaitha site)

Ser no.	Item Description	Qty.	Notes *
30	system for purification of UCl ₄ by vacuum sublimation	1	16 Different Components
31	system of reduction of uranium peroxide	1	9 Different Components
32	UCl ₄ preparation by liquid phase reaction	1	7 Different Components
33	UCl ₄ production by liquid phase chlorination	1	8 Different Components
34	UCl ₄ productions by vapor phase chlorination (1kg/batch)	1	6 Different Components
35	UCl ₄ production system	1	7 Different Components
36	Unit for CCl ₄ purification	1	7 Different Components
37	pilot plant for recovery of uranium from liner (EMIS)	1	6 Different Components
38	System for handling washing solution containing uranium recovered from the liner	1	8 Different Components
39	Unit for production of highly enriched uranium	1	2 Different Components
40	Unit for purification of Mg metal powder	1	4 Different Components
41	Experimental studies of U-metal purification	1	6 Different Components
42	Unit for purification of U-metal	1	29 Different Components
43	Unit for preparation of UF ₄ by direct reaction with UO ₂	1	2 Different Components
44	Unit for preparation of UF ₄ from crude UO ₂ directly	1	5 Different Components
45	Unit for preparation of nuclear grade UO ₂ purification	1	4 Different Components

(Tuwaitha site)

Ser no.	Item Description	Qty.	Notes *
46	Unit for preparation of nuclear grade UO ₂ purification	1	6 Different Components
47	Ceramic line	1	23 Different Components

(Dijla Factory)

Ser no.	Item Description	Qty.	Notes *
1	Power supply	5	

* Note :-

All this equipment was very verified by the IAEA inspection teams (1-8) which visited the Iraq from 14 May - 18 Nov. 1991

TABLE-4
The Destruction of Items Related to the Nuclear
Programme under the Supervision of IAEA in 1992

(Al Atheer site Building)

Thirty five thousands square meters were destroyed at Al-Atheer site.
approximately as follows :-

Ser. no.	Item Description	Qty.	Notes	Team No.	Date
1	High explosives test vunker	1	Destroyed by filling the room with concrete	11 th IAEA	7-15/4/92
2	Explosion chamber	1	Destroyed bycutting torch	Ditto	Ditto
3	Control building	1	Destroyed by explosives	Ditto	Ditto
4	Physics building	1	Ditto	Ditto	Ditto
5	casting building	1	Ditto	Ditto	Ditto
6	Carbide building	1	Ditto	12 th IAEA	26/5/92 - 5/6/92
7	powder building	1	Ditto	Ditto	Ditto
8	polymer	1	Ditto	Ditto	Ditto

(Al-Tarmiya site Building)

1500 square meters of Al-Tarmiya site's building were destroyed as follows:-

er no.	Item Description	Qty.	Notes	Team No.	Date
1	Seperators building	1	Destroyed by explosive	12 th IAEA	26/5/92 - 5/6/92
2	Electrical power supply station for Seperators building (No. 80)	1	Destroyed by explosive	12 Th IAEA	14-21/7/92
3	Electrical power station	1	Destroyed by explosive	Ditto	Ditto

(Al-Shirkat site Building)

Ser no.	Item Description	Qty.	Notes	Team No.	Date
1	Electrical power supply	3	Destroyed by explosives	12 th IAEA	26/5/92 - 5/6/92
2	Seperators building	1	Destroyed by explosives	Ditto	Ditto

(Al-Tuwaitha Equipment)

Ser no.	Item Description	Qty.	Notes	Team No.	Date
1	Glove box	15	Totally destroyed by filling with cement	8 th IAEA	11/18/11 1991
2	Manipulator	10	Totally destroyed	Ditto	Ditto
3	Mixer settlers	32	Ditto	Ditto	Ditto
4	Vacuum chambers	30	Ditto	7 th IAEA	11-22/10 1991
5	Vacuum systems	1	Ditto	Ditto	Ditto
6	Vacuum tube	4	Ditto	Ditto	Ditto
7	Elevator tester	2	Ditto	Ditto	Ditto
8	Oil centrifuge assembly	2	Ditto	Ditto	Ditto
9	Oil centrifuge cylinders	3	Ditto	Ditto	Ditto
10	Centrifuge cover	7	Ditto	Ditto	Ditto
11	Uf6 loading system	1	Ditto	Ditto	Ditto
12	Tools boxes for the centrifugal	5	Ditto	Ditto	Ditto
13	equipment belong to the centrifugal	1725	Ditto	Ditto	Ditto
14	Mold for pressing the parts	1	Ditto	Ditto	Ditto

	of vacuum boxes				
15	Elevator for the centrifuge welding	1	Ditto	Ditto	Ditto
16	Puls column system	1	Ditto	Ditto	Ditto
17	Marging steel	100tons	Ditto	Ditto	Ditto
18	Various special aluminum	45tons	Ditto	Ditto	Ditto
19	Magnetic magnesium oxide	240000 pieces	Ditto	Ditto	Ditto
20	Hot cells	5	Ditto	Ditto	Ditto
21	Electrode size 400	6	Ditto	Ditto	Ditto
22	Electrode face	5	Ditto	Ditto	Ditto
23	return Iron size 1000	5	Ditto	Ditto	Ditto
24	Ring return iron	10000 pieces	Ditto	Ditto	Ditto
25	Steel system 106	2	Ditto	Ditto	Ditto
26	Copper coils	15	Ditto	Ditto	Ditto
27	End electrodes	4	Ditto	Ditto	Ditto
28	Vertical return iron	4	Ditto	Ditto	Ditto
29	Different size and kind of equipment for the production of lithium isotopes	20	Ditto	Ditto	Ditto
30	600 mm Vacuum Chambers Die	1	Ditto	Ditto	Ditto
31	600 mm Vacuum Chambers	2	Ditto	Ditto	Ditto
32	600 mm Vacuum Ducts	2	Ditto	Ditto	Ditto

(Equipments Rashdiya Engineering Design Centre)

ser no.	Item Description	Qty.	Notes	Team No.	Date
1	Carbon fiber cylinders	7	Note:- centrifuge components	7 th IAEA	11-22/10 1991
2	Recipients with holes	4	Ditto	Ditto	Ditto
3	Recipients with holes and pumps	2	Ditto	Ditto	Ditto
4	Recipients without holes	1	Ditto	Ditto	Ditto
5	Recipients of different design and 2 loose pieces	2	Ditto	Ditto	Ditto
6	Top flanges	54	Ditto	Ditto	Ditto

7	Top flange with damper	1	Ditto	Ditto	Ditto
8	Test jigs	2	Ditto	Ditto	Ditto
9	Set of piping with valves and vacuum circuit	1	Ditto components contained in a ten crate	Ditto	Ditto
10	Al cylinders for rotors-one with end caps	3	Ditto	Ditto	Ditto
11	Maraging steel cylinders (2 full length & 3 shorter ones)	5	Ditto	Ditto	Ditto
12	Molecular pumps	5	Ditto	Ditto	Ditto
13	Carbon fibre cylinders	7	Ditto	Ditto	Ditto
14	Scoop Assy. (1 with manifold)	2	Ditto	Ditto	Ditto
15	Tube (approx. 1cm x 15 cm)	8	Ditto	Ditto	Ditto
16	Inner magnet holder	28	Ditto	Ditto	Ditto
17	Ring (approx. 1 cm OD)	107	Ditto	Ditto	Ditto
18	Tube (approx. 1cm x 45cm) (scoop part)	19	Note:- centrifuge components	Ditto	Ditto
19	Tube (approx. 1cm x 30cm) (scoop part)	18	Ditto	Ditto	Ditto
20	Sensor holder	36	Ditto	Ditto	Ditto
21	Lower bearing spacer	10	Ditto	Ditto	Ditto
22	Upper damper spacer	6	Ditto	Ditto	Ditto
23	Upper damper (3 cm dia. x 6cm)	8	Ditto	Ditto	Ditto
24	Flange-spacer ring)	4	Ditto	Ditto	Ditto
25	Small sensor holder	6	Ditto	Ditto	Ditto
26	Scoop Assy. part (2cm OD x 4cm)	17	Ditto	Ditto	Ditto
27	Scoop Assy. part-tube (15cm Dia x 7cm)	27	Ditto	Ditto	Ditto
28	U-cup Upper damper part	5	Ditto	Ditto	Ditto
29	K-F flange upper manifold part	6	Ditto	Ditto	Ditto
30	Magnet outer holder ring (1.5 Dia x 6.5)	13	Ditto	Ditto	Ditto
31	Washer (0.5 cm Dia x 4.5cm)	29	Ditto	Ditto	Ditto
32	Washer (0.4cm Dia x 3cm)	31	Ditto	Ditto	Ditto
33	Scoop ring (3 Dia x 2 cm)	9	Ditto	Ditto	Ditto
34	Lower bearing housing cover (5 cm Dia x 1.5 cm)	3	Ditto	Ditto	Ditto

35	Ring (8 cm Dia x 1 cm)	1	Ditto	Ditto	Ditto
36	Lower damper spacer	2	Ditto	Ditto	Ditto
37	Ring (2 cm Dia x 1 cm)	4	Ditto	Ditto	Ditto
38	Rocker arm	20	Ditto	Ditto	Ditto
39	Pin for assembling (Lower Assy.) (0.3 cm Dia x 4 cm)	18	Ditto	Ditto	Ditto
40	Spacer (0.6 cm x 0.2 cm)	55	Ditto	Ditto	Ditto
41	Tubes for scoop Assy. Al (1 cm Dia x 84)	10	Ditto	Ditto	Ditto
42	Tubes for scoop Assy. Al (1 cm Dia x 74 cm)	20	Ditto	Ditto	Ditto
43	Tubes for scoop Assy. Al (1.5 cm Dia x 35 cm)	23	Ditto	Ditto	Ditto
44	Tubes for scoop Assy. Al (1.4 cm Dia x 50 cm)	5	Ditto	Ditto	Ditto
45	Rings (10.5 cm OD x 1 cm) Motor coil	5	Ditto	Ditto	Ditto
46	Cu scoop material (straight) (0.4-0.6 x cm) (tapered)	20	Note:- centrifuge components	Ditto	Ditto
47	Motor stator spacer (approx. 1.3 cm x 1.3 cm)	80	Ditto	Ditto	Ditto
48	Tube (tails pipe for scoop assy.) (2.2 Dia x 20)	22	Ditto	Ditto	Ditto
49	Maraging steel rotor top cap	38	Ditto	Ditto	Ditto
50	Carbon Machine top baffle	7	Ditto	Ditto	Ditto
51	2 Carbon machine top cap	10	Ditto	Ditto	Ditto
52	Carbon machine bottom cap	1	Ditto	Ditto	Ditto
53	Aluminium top rotating magnet holder (small)	13	Ditto	Ditto	Ditto
54	Aluminium bottom damper skin	76	Ditto	Ditto	Ditto
55	Aluminium top rotating magnet holder (large)	6	Ditto	Ditto	Ditto
56	Bottom damper housing	25	Ditto	Ditto	Ditto
57	Spacer flange	16	Ditto	Ditto	Ditto
58	Top damper housing	9	Ditto	Ditto	Ditto
59	Bottom damper cover	14	Ditto	Ditto	Ditto
60	Adjusting screw	21	Ditto	Ditto	Ditto
61	parts of scoop assembly	19	Ditto	Ditto	Ditto
62	Pivot holder (brass)	18	Ditto	Ditto	Ditto
63	Maraging steel top rotating magnet holder	41	Ditto	Ditto	Ditto

64	Feed shroud	66	Ditto	Ditto	Ditto
65	Feed input flange	47	Ditto	Ditto	Ditto
66	Bottom bearing flange	22	Ditto	Ditto	Ditto
67	Feed port	24	Ditto	Ditto	Ditto
68	Top scoop holder	27	Ditto	Ditto	Ditto
69	AINCo magnet holder	43	Ditto	Ditto	Ditto
70	Part of top scoop	54	Ditto	Ditto	Ditto
71	Bottom scoop boss	24	Ditto	Ditto	Ditto
72	Washer	18	Ditto	Ditto	Ditto
73	Top damper adjusting screw	60	Ditto	Ditto	Ditto
74	Part of lower damper	30	Ditto	Ditto	Ditto
75	AINCo magnets	84	Ditto	Ditto	Ditto
76	Co Sm magnets	49	Ditto	Ditto	Ditto
77	Gas manifold	82	Ditto	Ditto	Ditto
78	Transport shield for protection	1	Ditto	Ditto	Ditto
79	Aluminium bottom flange	16	Note:- centrifuge components	Ditto	Ditto

(Al-Tarmiya Equipments)

Item no.	Item Description	Qty.	Notes	Team No.	Date
1	Special filters	169	Totally destroyed	7 th IAEA	11-22/1991
2	Electro magnetic enrichment disk containing (9) double rods and coils	1	Ditto	Ditto	Ditto
3	High frequency transformery	3	Ditto	Ditto	Ditto
4	Furnaces and collectors for electromagnetic rod	10	Ditto	Ditto	Ditto
5	Double rods without coils	18	Ditto	Ditto	Ditto
6	Copper coils with (6) carriers	15	Ditto	Ditto	Ditto
7	1200 mm Vacuum Chambers Die	1	Note:- EMIS related items were destroyed by cutting out pieces from each with a plasma torch	Ditto	Ditto

8	1200 mm Vacuum Chambers	5	Ditto	Ditto	Ditto
9	106 mm system Chambers	1	Ditto	Ditto	Ditto
10	Small Experimental Chambers	2	Ditto	Ditto	Ditto
11	1200 mm Vacuum Ducts	2	Ditto	Ditto	Ditto
12	Misc 1200 and 600 mm Vacuum Chamber Cones	19	Ditto	Ditto	Ditto

(Al-Atheer Equipments)

Ser no.	Item Description	Qty.	Notes	Team No.	Date
1	Large cold isostatic press	1	Totally destroyed	12 th IAEA	26/5/92 - 5/6/92
2	Large hot isostatic press and 2 associated	1	Ditto	Ditto	Ditto
3	Cold isostatic press	1	Ditto	Ditto	Ditto
4	Hot isostatic press	1	Ditto	Ditto	Ditto
5	Resistance furnace	2	Ditto	Ditto	Ditto
6	Induction furnace	1	Ditto	Ditto	Ditto
7	Vacuum furnace	2	Ditto	Ditto	Ditto
8	Vacuum plasma spray system	1	Ditto	Ditto	Ditto
9	Atomospheric spray system	1	Ditto	Ditto	Ditto
10	Precision turning machine	3	Ditto	Ditto	Ditto
11	Super precision lathe machine	1	Ditto	Ditto	Ditto
12	3-axis coordinate measuring machine	1	Ditto	Ditto	Ditto
13	Jig Grinding machine	1	Ditto	Ditto	Ditto
14	Viewing windows for high explosives	3	Ditto	Ditto	Ditto
15	High speed camera	1	Ditto	Ditto	Ditto

(ST. EST. FOR HEAVY ENGINEERING EQUIPMENT / DAURA)

Ser no.	Item Description	Qty.	Notes	Team	Date
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				No.	
1	Dyes Vacuum chamber for EIMS programme	1	Completely destroyed by 8th IAEA team	7 th IAEA	11-22/10 1992
2	Dyes pressing	1	Ditto	Ditto	Ditto
3	Vacuum Chambers	1	Ditto	Ditto	Ditto
4	Equipment for cylinder belong to the flow forming mach.	1	Ditto	8 th IAEA	11-18/11 1992
5	Flow forming mach. wheels	1	Ditto	Ditto	Ditto
6	Secondary axle for rotory cylinder mach.	1	Ditto	Ditto	Ditto
7	Turning mach. fixer	1	Ditto	Ditto	Ditto
8	Filament for welding mach.	1	Ditto	Ditto	Ditto
9	Vertical balancing mach.	1	Ditto	Ditto	Ditto
10	Horizontal balancing mach.	1	Ditto	Ditto	Ditto
11	Mandril for flow forming mach.	1	Ditto	Ditto	Ditto
12	Power supply electronic cards	1	Ditto	Ditto	Ditto
13	EBW fixer	1	Ditto	Ditto	Ditto
14	Fixer for turning mach.	1	Ditto	Ditto	Ditto
